

# American Heart Journal

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- Denes P, Santarelli P, Masson M, Uretz EF. Prevalence of late potentials in patients undergoing Holter monitoring. 1987;113:33-6
- Deplace C (see Laurent et al). 1987;113:827-9 (Brief comm.)
- Descaves C (see Laurent et al). 1987;113:827-9 (Brief comm.)
- deScorza CD (see Guerra et al). 1987;113:716-24
- Devereux RB, Kramer-Fox R, Shear MK, Kligfield P, Pini R, Savage DD. Diagnosis and classification of severity of mitral valve prolapse: methodologic, biologic, and prognostic considerations. 1987;113:1265-80 (Symposium)  
— (see Kligfield et al). 1987;113:1097-1102  
— (see Kligfield et al). 1987;113:1298-1307 (Symposium)  
— (see MacMahon et al). 1987;113:1291-7 (Symposium)
- Diamant S, Luber JM Jr, Brunson SC, Gootman N. Two-dimensional and pulsed Doppler echocardiography in anomalous origin of the left coronary artery from the pulmonary artery: pre and postoperative studies. 1987;113:195-8 (Brief comm.)
- Dianzumba SB (see Smeal et al). 1987;113:1508-10 (Brief comm.)
- DiCarlo LA Jr, Morady F, de Buitelir M, Baerman JM, Schurig L, Annesley T. Effects of chronic amiodarone therapy on ventricular tachycardia induced by programmed ventricular stimulation. 1987;113:57-64
- Dierenfeldt BJ (see Shanes et al). 1987;113:1261-3 (Editorial)
- Dietsch JM (see Meddings et al). 1987;113:475-81
- Dijkhuis JP (see van Wezel et al). 1987;113:266-73
- Dillingham R (see Teja et al). 1987;113:1527-9 (Brief comm.)
- Dilworth LR, Aisen AM, Mancini GBJ, Lande I, Buda AJ. Determination of left ventricular volumes and ejection fraction by nuclear magnetic resonance imaging. 1987;113:24-32
- di Maio F (see Baciarello et al). 1987;113:307-15
- DiNardo-Ekery D, Abedin Z. High degree atrioventricular block in a marathoner with 5-year follow-up. 1987;113:834-7 (Brief comm.)
- DiSegni E (see Klein et al). 1987;113:399-400 (Brief comm.)
- Distante A (see Rovai et al). 1987;113:1437-43
- Dobry Ca (see Rogers et al). 1987;113:1237-9 (Brief comm.)
- Donadini M (see Trohman et al). 1987;113:1252-4 (Brief comm.)
- Dorian P (see Davy et al). 1987;113:77-84
- Doshier GM (see Casta et al). 1987;113:1032-6 (Brief comm.)
- D'Agostino RB (see Kannel et al). 1987;113:799-804 (Prog. cardiol.)  
— (see Kannel et al). 1987;113:1006-10 (Prog. cardiol.)
- Dubria S (see Gardin et al). 1987;113:101-9

**E**

- Ebihara H (see Hamada et al). 1987;113:1024-6 (Brief comm.)
- Edgerton JR (see Fyfe et al). 1987;113:210-2 (Brief comm.)
- Edwards G (see Siegel et al). 1987;113:1383-9
- Ee BK (see Chia et al). 1987;113:833-4 (Brief comm.)
- Efendic S (see Hamsten et al). 1987;113:917-27
- Egashira K, Origuchi H, Sagara T, Kikuchi Y. Coronary artery spasm during hydrocortisone-induced allergic reactions. 1987;113:1516-8 (Brief comm.)
- Eguchi S (see Oda et al). 1987;113:1513-6 (Brief comm.)
- Egusa G (see Howard et al). 1987;113:522-6
- Eide IK (see Kjeldsen et al). 1987;113:151-5
- Einarsson K (see Angelin et al). 1987;113:482-7
- Eisenberg S. Lipoprotein abnormalities in hypertriglyceridemia: significance in atherosclerosis. 1987;113:555-61
- El-Ashmawy H (see Adams et al). 1987;113:732-42
- Elbridge J (see Hossack et al). 1987;113:694-9
- Elin RJ, Hosseini J. Serum magnesium and mononuclear blood cell magnesium. 1987;113:1534 (Letter)
- Elion JL (see Rovai et al). 1987;113:1437-43
- Emery RW (see Loeber et al). 1987;113:95-100
- Engel TR (see Meyers et al). 1987;113:1414-6
- Engle MA (see Snyder et al). 1987;113:198-200 (Brief comm.)
- English LD (see Pratt et al). 1987;113:1-7
- Enright LP, Mitchell RL, Wilbur BG, Saah ID, Constantino RT, Klughaupt M, Bavor C. Saphenous vein coronary bypass graft revisited. 1987;113:360-9 (Curriculum cardiol.)
- Erkinjuntti T (see Tilvis et al). 1987;113:615-9
- Euler DE (see Leja et al). 1987;113:296-301
- Ewerth S (see Angelin et al). 1987;113:482-7

## F

- Failor RA (see Brunzell et al). 1987;113:583-8  
 Fain ES (see Davy et al). 1987;113:77-84  
 Fallon JT (see Thompson et al). 1987;113:1444-8  
 Fantone JC (see Simpson et al). 1987;113:129-37  
 Farfel Z (see Shechter et al). 1987;113:171-8 (Curriculum cardiol.)  
 Färkkilä M (see Kesäniemi et al). 1987;113:508-13  
 — (see Miettinen et al). 1987;113:487-93  
 — (see Tilvis et al). 1987;113:615-9  
 Farooki ZQ (see Karpawich et al). 1987;113:316-21  
 Favuzzi A (see Pennestri et al). 1987;113:212-4 (Brief comm.)  
 Fazi A (see Casolo et al). 1987;113:1245-8 (Brief comm.)  
 — (see Neri Serneri et al). 1987;113:672-8  
 Fealy M (see Siegel et al). 1987;113:1383-9  
 Feitelberg SP, Kahn SE, Kotler MN, Cope C, Nakhjavan FK, Lippmann M. Transfemoral embolectomy for massive pulmonary embolus and associated myocardial infarction. 1987;113:819-20 (Brief comm.)  
 Feld G (see Boltwood et al). 1987;113:847-9 (Brief comm.)  
 Feld MS (see Kramer et al). 1987;113:1038-40 (Brief comm.)  
 Feldman RL (see Joyal et al). 1987;113:1376-82  
 Felix JMF (see Nevin et al). 1987;113:822-5 (Brief comm.)  
 Fernandes M (see Iskandrian et al). 1987;113:791-8 (Curriculum cardiol.)  
 Ferrari FQ (see Vargas-Barron et al). 1987;113:829-31 (Brief comm.)  
 Ferrini D (see Bugiardini et al). 1987;113:234-41  
 Fielding CJ. Factors affecting the rate of catalyzed transfer of cholesteryl esters in plasma. 1987;113:532-7  
 Fiolet JWT (see van Wezel et al). 1987;113:266-73  
 Fiorentini R (see Iskandrian et al). 1987;113:791-8 (Curriculum cardiol.)  
 Fioretti P (see Deckers et al). 1987;113:90-5  
 Fishbein MC (see Lopez et al). 1987;113:773-84 (Curriculum cardiol.)  
 — (see Siegel et al). 1987;113:1383-9  
 Flaker GC (see Alpert et al). 1987;113:958-65  
 Flege JB Jr (see Kereiakes et al). 1987;113:1018-20 (Brief comm.)  
 Fleming WH (see Rogers et al). 1987;113:1237-9 (Brief comm.)  
 Fogelman AM (see Haberland and Fogelman). 1987;113:573-7  
 Follath F (see Vozeh et al). 1987;113:928-33  
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 Foss OP (see Kjeldsen et al). 1987;113:151-5  
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 Francis M (see Pratt et al). 1987;113:1-7  
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 Franz MR (see Liem et al). 1987;113:1390-6  
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 — (see Moak et al). 1987;113:1404-13  
 Frishman WH (see Kralstein and Frishman). 1987;113:785-90 (Curriculum cardiol.)  
 —. Clinical differences between beta-adrenergic blocking agents: implications for therapeutic substitution. 1987;113:1190-8 (Curriculum cardiol.)  
 Frost PH, Verter J, Miller D. Serum lipids and lipoproteins after myocardial infarction: associations with cardiovascular mortality and experience in the Aspirin Myocardial Infarction Study. 1987;113:1356-64  
 Fujii T (see Hongo et al). 1987;113:654-62  
 Fujiwara H (see Kondo et al). 1987;113:250-6  
 Fukami K (see Saito et al). 1987;113:891-7  
 Funke H (see Assmann et al). 1987;113:598-603  
 Fyfe DA, Edgerton JR, Chaikhouni A, Kline CH. Preoperative localization of an intracardiac foreign body by two-dimensional echocardiography. 1987;113:210-2 (Brief comm.)
- G  
 Gafni J (see Shechter et al). 1987;113:171-8 (Curriculum cardiol.)  
 Gal D (see Zeevi et al). 1987;113:1518-9 (Brief comm.)  
 Galens G (see Noel et al). 1987;113:395-7 (Brief comm.)  
 Gallagher KP (see Simpson et al). 1987;113:129-37  
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 Gang ES (see O'Byrne et al). 1987;113:839-42 (Brief comm.)  
 Garcia EV (see Bateman et al). 1987;113:977-83  
 Garcia R (see Gardin et al). 1987;113:101-9  
 Gardin JM, Davidson DM, Rohan MK, Butman S, Knoll M, Garcia R, Dubria S, Gardin SK, Henry WL. Relationship between age, body size, gender, and blood pressure and Doppler flow measurements in the aorta and pulmonary artery. 1987;113:101-9  
 — (see Takenaka et al). 1987;113:759-66  
 Gardin SK (see Gardin et al). 1987;113:101-9  
 Garrahy P (see Rivers et al). 1987;113:216-7 (Brief comm.)  
 Garson A Jr (see Moak et al). 1987;113:179-85 (Prog. cardiol.)  
 — (see Moak et al). 1987;113:1397-1403  
 — (see Moak et al). 1987;113:1404-13  
 Gascho JA, Beller GA. Adverse effects of circumflex coronary artery occlusion on blood flow to remote myocardium supplied by a stenosed left anterior descending coronary artery in anesthetized open-chest dogs. 1987;113:679-83  
 Gelfand MJ (see Cyran et al). 1987;113:1144-8  
 Gensini GF (see Neri Serneri et al). 1987;113:672-8  
 Gerber K (see Sherman et al). 1987;113:825-7 (Brief comm.)  
 Getz GS, Soltys PA, Carey D, McGill HC Jr, Hays R. Nutrition and biogenesis of plasma lipoproteins in nonhuman primates. 1987;113:440-5  
 Gibson RG, Oliver JA, Leak D. Nifedipine therapy of phenylpropanolamine-induced hypertension. 1987;113:406-7 (Brief comm.)  
 Gibson RS (see Pearlman and Gibson). 1987;113:868-73  
 Gielchinsky I (see Saksena et al). 1987;113:1495-1506 (Prog. cardiol.)  
 Gill JB, Cairns JA, McEwan MP. Improved left ventricular performance during exercise with verapamil or nifedipine in patients with chronic stable angina. 1987;113:700-7  
 Gillum RF. Acute myocardial infarction in the United States, 1970-1983. 1987;113:804-11 (Prog. cardiol.)  
 —. Coronary artery bypass surgery and coronary angiography in the United States, 1979-1983. 1987;113:1255-60 (Editorial)  
 —. Heart failure in the United States 1970-1985. 1987;113:1043-5 (Editorial)  
 Girod DA (see Caldwell et al). 1987;113:873-8  
 Gitler B (see Ausubel and Gitler). 1987;113:831-2 (Brief comm.)  
 Gjesdal K (see Kjeldsen et al). 1987;113:151-5  
 Glas-Greenwalt P (see Apprill et al). 1987;113:898-906  
 Goldberg RJ, Gore JM, Alpert JS, Dalen JE. Non-Q wave myocardial infarction: recent changes in occurrence and prognosis—a community-wide perspective. 1987;113:273-9  
 Goldberg S (see Zalewski et al). 1987;113:124-9  
 Goldberg SE (see Kochar et al). 1987;113:1510-13 (Brief comm.)  
 Goldberg SJ (see Loeber et al). 1987;113:95-100  
 — (see Wilson et al). 1987;113:750-9  
 — (see Wilson et al). 1987;113:878-85  
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 Goldstein J (see Habbab et al). 1987;113:205-7 (Brief comm.)  
 Gonzalez-Medina A (see Vargas-Barron et al). 1987;113:829-31 (Brief comm.)  
 Goor D (see Shechter et al). 1987;113:171-8 (Curriculum cardiol.)  
 Gootman N (see Diamant et al). 1987;113:195-8 (Brief comm.)  
 Gordon S, Saksena S, Parsonnet V. Latent intraHisian block provoked by a seizure. 1987;113:837-9 (Brief comm.)  
 Gore JM (see Goldberg et al). 1987;113:273-9  
 Graettinger WF, Greene ER, Voyles WF. Doppler predictions of pulmonary artery pressure, flow, and resistance in adults. 1987;113:1426-36  
 Graham TP Jr (see Artman and Graham). 1987;113:994-1005 (Curriculum cardiol.)  
 — (see Artman et al). 1987;113:144-50  
 Greene ER (see Graettinger et al). 1987;113:1426-36  
 Green EW (see Karpawich et al). 1987;113:316-21  
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 Grolleau-Raoux R (see Seguin et al). 1987;113:1239-40 (Brief comm.)  
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 Gruentzig AR (see Anderson et al). 1987;113:37-48  
 Grundy SM (see Vega and Grundy). 1987;113:493-502  
 Guarnera S (see Mancuso et al). 1987;113:1234-7 (Brief comm.)  
 Guerra HAC, Palacios-Pru E, deScorza CD, Molina C, Inglessis GV, Mendoza RVB. Clinical, histochemical, and ultrastructural

- al correlation: in septal endomyocardial biopsies from chronic chagasic patients: detection of early myocardial damage. 1987;113:716-24
- Guerrero J (see Apprill et al). 1987;113:898-906
- Guth BD (see Heusch et al). 1987;113:116-24
- H**
- Habbab MA, Goldstein J, Haft JI. Intravenous streptokinase and percutaneous intra-aortic balloon counterpulsation used concomitantly. 1987;113:205-7 (Brief comm.)
- Haberland ME, Fogelman AM. The role of altered lipoproteins in the pathogenesis of atherosclerosis. 1987;113:573-7
- Haerter W, Weritz D, Stauch M. Bepiridil in hypertrophic obstructive cardiomyopathy. 1987;113:1536 (Letter)
- Haft JI (see Habbab et al). 1987;113:205-7 (Brief comm.)
- Hakki AH (see Iskandrian et al). 1987;113:791-8 (Curriculum cardiol.)
- Halder S (see Braat et al). 1987;113:257-60
- Halter JB (see Morady et al). 1987;113:227-33
- Hamada Y, Matsuda Y, Takashiba K, Ebihara H, Ohno H, Hyakuna E. Multivessel coronary artery spasm causing myocardial infarction and postinfarction angina. 1987;113:1024-6 (Brief comm.)
- Hamsten A, Efendic S, Walldius G, Szamosi A, de Faire U. Glucose tolerance and insulin response to glucose in nondiabetic young male survivors of myocardial infarction. 1987;113:917-27
- Hancock EW (see Cameron et al). 1987;113:354-60 (Curriculum cardiol.)
- Haneda T (see Ikeda et al). 1987;113:1103-7
- Hanley DF (see Renlund et al). 1987;113:844-5 (Brief comm.)
- Hanna ES (see Bashour et al). 1987;113:1199-1206 (Prog. cardiol.)
- Hannon DW (see Cyran et al). 1987;113:1144-8
- Harrell FE Jr (see Lederman et al). 1987;113:1365-8
- Hartman J (see Kocher et al). 1987;113:1510-13 (Brief comm.)
- Hashiguchi R (see Ikeda et al). 1987;113:1103-7
- Hassan E, Roffman DS, Applefeld MM. The value of mixed venous oxygen saturation as a therapeutic indicator in the treatment of advanced congestive heart failure. 1987;113:743-9
- Hatanaka K, Ito T, Shiomi M, Yamamoto A, Watanabe Y. Ischemic heart disease in the WHHL rabbit: a model for myocardial injury in genetically hyperlipidemic animals. 1987;113:280-8
- Hattori N (see Hiromasa et al). 1987;113:1482-8 (Curriculum cardiol.)
- Havel RJ, Yamada N, Shames DM. Role of apolipoprotein E in lipoprotein metabolism. 1987;113:470-4
- Hayasaka M (see Yamaguchi et al). 1987;113:1123-8
- Ha YC (see Barter et al). 1987;113:538-42
- Hays R (see Getz et al). 1987;113:440-5
- Haze K (see Saito et al). 1987;113:891-7
- Helfant RH (see Klein et al). 1987;113:1011-7 (Prog. cardiol.)
- Henry WL (see Gardin et al). 1987;113:101-9
- (see Takenaka et al). 1987;113:759-66
- Heo J (see Iskandrian et al). 1987;113:163-70 (Curriculum cardiol.)
- (see Iskandrian et al). 1987;113:791-8 (Curriculum cardiol.)
- Herbinger W (see Schutzenberger et al). 1987;113:1519-21 (Brief comm.)
- Hermann G (see Klein et al). 1987;113:1011-7 (Prog. cardiol.)
- Heusch G, Guth BD, Widmann T, Peterson KL, Ross J Jr. Ischemic myocardial dysfunction assessed by temporal Fourier transform of regional myocardial wall thickening. 1987;113:116-24
- Heydarian M, Werthammer JW, Kelly PJ. Echocardiographic diagnosis of cardiac mass of the right atrium in a premature infant. 1987;113:402-4 (Brief comm.)
- Hiakal M (see Alpert et al). 1987;113:1250-2 (Brief comm.)
- Higgins CB (see Markiewicz et al). 1987;113:8-15
- Hilliard GK (see Stullman and Hilliard). 1987;113:393-5 (Brief comm.)
- Hill JA (see Joyal et al). 1987;113:1376-82
- Hiramori K (see Saito et al). 1987;113:891-7
- Hirata Y, Ishii M, Matsuoka H, Sugimoto T, Iizuka M, Uchida Y, Serizawa T, Sato H, Kohmoto O, Mochizuki T, Sugimoto T, Miyata A, Kangawa K, Matsuo H. Plasma concentrations of  $\alpha$ -human atrial natriuretic polypeptide and cyclic GMP in patients with heart disease. 1987;113:1463-9

- Hirayama H (see Uematsu et al). 1987;113:1532 (Letter)
- Hirayama J (see Hongo et al). 1987;113:654-62
- Hiromasa S, Ikeda T, Kubota K, Hattori N, Nishimura M, Watanabe Y, Maldonado C, Palakurthy PR, Kupersmith J. Myotonic dystrophy: ambulatory electrocardiogram, electrophysiologic study and echocardiographic evaluation. 1987;113:1482-8 (Curriculum cardiol.)
- Hiro T (see Matsuda et al). 1987;113:684-7
- Hochreiter C (see Kligfield et al). 1987;113:1097-1102
- Hofman A (see Walter and Hofman). 1987;113:812-8 (Prog. cardiol.)
- Hohnloser SH, Verrier RL, Lown B. Influence of beta<sub>2</sub>-adrenoceptor stimulation and blockade on cardiac electrophysiologic properties and serum potassium concentration in the anesthetized dog. 1987;113:1066-70
- Hongo M, Hirayama J, Fujii T, Yamada H, Okubo S, Kusama S, Ikeda S. Early identification of amyloid heart disease by technetium-99m-pyrophosphate scintigraphy: a study with familial amyloid polyneuropathy. 1987;113:654-62
- Hood WP Jr (see Saenz et al). 1987;113:84-9
- Hopkins GJ (see Barter et al). 1987;113:538-42
- Horibe H (see Saito et al). 1987;113:891-7
- Horio Y (see Obata et al). 1987;113:845-7 (Brief comm.)
- Horowitz S (see Meijboom et al). 1987;113:335-40
- Hossack K, Eldridge J, Wolfel E, Leddy C, Berger N. Aerobic responses to low level exercise testing following an acute myocardial infarction. 1987;113:694-9
- Hosseini J (see Elin and Hosseini). 1987;113:1534 (Letter)
- Howard BV, Abbott WGH, Egusa G, Taskinen MR. Coordination of very low-density lipoprotein triglyceride and apolipoprotein B metabolism in humans: effects of obesity and non-insulin-dependent diabetes mellitus. 1987;113:522-6
- Hramiec JE (see Mancini et al). 1987;113:906-16
- Huang SK (see Ring and Huang). 1987;113:1226-8 (Brief comm.)
- Hui G, McAllister HA, Angelini P. Left atrial paraganglioma: report of a case and review of the literature. 1987;113:1230-4 (Brief comm.)
- Hurwitz RA (see Caldwell et al). 1987;113:873-8
- Hussain SM (see Saksena et al). 1987;113:1495-1506 (Prog. cardiol.)
- Huttunen JK (see Pietinen and Huttunen). 1987;113:620-5
- Hyakuna E (see Hamada et al). 1987;113:1024-6 (Brief comm.)
- I**
- Iacona MA (see Mancuso et al). 1987;113:1234-7 (Brief comm.)
- Iizuka M (see Hirata et al). 1987;113:1463-9
- Ikeda J, Haneda T, Kanda H, Shirato K, Koiki Y, Kanazawa M, Ishikawa K, Ohe M, Hashiguchi R, Munakata K, Ohshima T, Takishima T. The degree of increment in plasma catecholamines in patients with mitral stenosis by mild exercise. 1987;113:1103-7
- Ikeda N (see Yabek et al). 1987;113:70-6
- Ikeda S (see Hongo et al). 1987;113:654-62
- Ikeda T (see Hiromasa et al). 1987;113:1482-8 (Curriculum cardiol.)
- Inada M (see Matsubara et al). 1987;113:1457-62
- Inglessis GV (see Guerra et al). 1987;113:716-24
- Inoue T (see Murai et al). 1987;113:966-71
- Iseri LT, Allen BJ, Baron K, Brodsky MA. Fist pacing, a forgotten procedure in bradycardic cardiac arrest. 1987;113:1545-52 (Editorial)
- Ishii M (see Hirata et al). 1987;113:1463-9
- Ishikawa K (see Ikeda et al). 1987;113:1103-7
- Iskandrian AS, Heo J, Mostel E. The role of radionuclide cardiac imaging in coronary artery bypass surgery. 1987;113:163-70 (Curriculum cardiol.)
- , Nestico PF, Hakki AH, Heo J, Fernandes M, Fiorentini R, Schenk C. Effects of beta blockade on systolic and diastolic left ventricular function at rest and during exercise in patients with chronic stable angina pectoris. 1987;113:791-8 (Curriculum cardiol.)
- Issenberg HJ, Mathew R, Kim ES, Bharati S. Congenital absence of the noncoronary aortic cusp. 1987;113:400-2 (Brief comm.)
- Ito T (see Hatanaka et al). 1987;113:280-8
- Iwasaka T (see Matsubara et al). 1987;113:1457-62

- J**
- Jabs HU (see Assmann et al). 1987;113:598-603
- Jackson RL, McLean LR, Demel RA. Mechanism of action of



- lipoprotein lipase and hepatic triglyceride lipase. 1987;113:551-4
- Jackson WL (see Karpawich et al). 1987;113:316-21
- James FW (see Daniels et al). 1987;113:349-53
- Janicki JS (see Jessup et al). 1987;113:1114-22
- Jessup M, Sutton MSJ, Weber KT, Janicki JS. The effect of chronic pulmonary hypertension on left ventricular size, function, and interventricular septal motion. 1987;113:1114-22
- Jiang L, Levine RA, King ME, Weyman AE. An integrated mechanism for systolic anterior motion of the mitral valve in hypertrophic cardiomyopathy based on echocardiographic observations. 1987;113:633-44
- Johnson EE (see Bough et al). 1987;113:1031-2 (Brief comm.)
- Johnson TA (see Anastasiou-Nana et al). 1987;113:1071-7
- Josephson MA, Schwab M, Coyle K, Singh BN. Effects of intravenous N-acetylprocainamide on hemodynamics and left ventricular function in man. 1987;113:952-7
- Jouven JC (see Trigano et al). 1987;113:1027-9 (Brief comm.)
- Joyal M, Feldman RL, Cremer K, Pieper J, Hill JA, Pepine CJ. Systemic and coronary hemodynamic effects of combined intravenous diltiazem and nitroglycerin administration. 1987;113:1376-82
- Joyner CR (see Smeal et al). 1987;113:1508-10 (Brief comm.)
- K**
- Kahn JK, Buda AJ. Long-term follow-up of coronary artery occlusion secondary to blunt chest trauma. 1987;113:207-10 (Brief comm.)
- Kahn SE (see Feitelberg et al). 1987;113:819-20 (Brief comm.)
- Kaiser R (see Villafane et al). 1987;113:1036-8 (Brief comm.)
- Kambara H (see Yonekura et al). 1987;113:645-54
- Kanayama Y (see Murai et al). 1987;113:966-71
- Kanazawa H (see Oda et al). 1987;113:1513-6 (Brief comm.)
- Kanazawa M (see Ikeda et al). 1987;113:1103-7
- Kanda H (see Ikeda et al). 1987;113:1103-7
- Kangawa K (see Obata et al). 1987;113:845-7 (Brief comm.)
- (see Hirata et al). 1987;113:1463-9
- Kannel C (see Kannel et al). 1987;113:1489-94 (Prog. cardi.)
- Kannel WB, Anderson K, McGee DL, Degatano LS, Stampfer MJ. Nonspecific electrocardiographic abnormality as a predictor of coronary heart disease: the Framingham Study. 1987;113:370-6 (Prog. cardi.)
- , Cupples LA, D'Agostino RB. Sudden death risk in overt coronary heart disease: the Framingham Study. 1987;113:799-804 (Prog. cardi.)
- , D'Agostino RB, Belanger AJ. Fibrinogen, cigarette smoking, and risk of cardiovascular disease: insights from the Framingham Study. 1987;113:1006-10 (Prog. cardi.)
- , Kannel C, Paffenbarger RS Jr, Cupples LA. Heart rate and cardiovascular mortality: the Framingham Study. 1987;113:1489-94 (Prog. cardi.)
- , (see Kreger et al). 1987;113:377-82 (Prog. cardi.)
- Kaplan D (see Pietras et al). 1987;113:321-5
- Kaplan S (see Cyran et al). 1987;113:1144-8
- (see Daniels et al). 1987;113:349-53
- Kaplinsky E (see Klein et al). 1987;113:399-400 (Brief comm.)
- Karagueuzian HS (see Katoh et al). 1987;113:941-52
- (see Ohta et al). 1987;113:289-96
- (see Siegel et al). 1987;113:1383-9
- Karpawich PP, Perry BL, Farooki ZQ, Clapp SK, Jackson WL, Cicalese CA, Green EW. Pacing in children and young adults with nonsurgical atrioventricular block: comparison of single-rate ventricular and dual-chamber models. 1987;113:316-21
- Kasagi H (see Saito et al). 1987;113:891-7
- Kass RM (see Bateman et al). 1987;113:977-83
- (see O'Byrne et al). 1987;113:839-42 (Brief comm.)
- Katholi CR (see Saenz et al). 1987;113:84-9
- Kato R (see Yabek et al). 1987;113:70-6
- Katoh T, Karagueuzian HS, Sugi K, Ohta M, Mandel WJ, Peter T. Effects of propafenone on sinus nodal and ventricular automaticity: in vitro and in vivo correlation. 1987;113:941-52
- Katti SK (see Alpert et al). 1987;113:958-65
- Katzir A (see Zeevi et al). 1987;113:1518-9 (Brief comm.)
- Kaufman G (see Vozeh et al). 1987;113:928-33
- Kawai C (see Yonekura et al). 1987;113:645-54
- Kawanishi DT (see Reid et al). 1987;113:971-6
- Keefe D (see Miura et al). 1987;113:65-9
- Keefe DL, Schwartz J, Somberg JC. The substrate and the trigger: the role of myocardial vulnerability in sudden cardiac death. 1987;113:218-25 (Editorial)
- Keirns C (see Vargas-Barron et al). 1987;113:829-31 (Brief comm.)
- Kelly PJ (see Heydarian et al). 1987;113:402-4 (Brief comm.)
- Kennedy HL, Ratcliff JW. Ambulatory electrocardiography and computer technology-practical advantages. 1987;113:186-93 (Prog. cardi.)
- (see Pearson et al). 1987;113:1417-25
- (see Stratmann and Kennedy). 1987;113:1470-81 (Curriculum cardi.)
- Keon WJ, Boyd WD, Walley V. Jarvik artificial heart for spontaneous left main coronary dissection. 1987;113:1538 (Letter)
- Kereiakes DJ, Abbottsmith CW, Callard GM, Flege JB Jr. Emergent internal mammary artery grafting following failed percutaneous transluminal coronary angioplasty: use of transluminal catheter reperfusion. 1987;113:1018-20 (Brief comm.)
- Kerin NZ (see Mathias et al). 1987;113:383-5 (Brief comm.)
- Kern MJ, Presant S, Vandormael M. Disproportionate myocardial ischemia due to distant guidewire side branch positioning during percutaneous transluminal coronary angioplasty. 1987;113:1218-20 (Brief comm.)
- Kervinen K (see Kesäniemi et al). 1987;113:508-13
- Kesäniemi YA, Färkkilä M, Kervinen K, Koivisto P, Vuorio M, Miettinen TA. Regulation of low-density lipoprotein apolipoprotein B levels. 1987;113:508-13
- (see Miettinen et al). 1987;113:487-93
- (see Taskinen et al). 1987;113:458-64
- Kessler KM, Kozlovskis P, Trohman RG, Myerburg RJ. Serum lactate: prognostic marker for recurrent cardiac arrest? 1987;113:1540-4 (Editorial)
- (see de Marchena et al). 1987;113:391-3 (Brief comm.)
- (see Trohman et al). 1987;113:1252-4 (Brief comm.)
- Kessler PD, Packer M. Hemodynamic effects of BTS 49465, a new long-acting systemic vasodilator drug, in patients with severe congestive heart failure. 1987;113:137-43
- Khurmi NS, Raftery EB. Reproducibility and validity of ambulatory ST segment monitoring in patients with chronic stable angina pectoris. 1987;113:1091-6
- Kienle MG (see Lindpaintner and Kienle). 1987;113:1026-7 (Brief comm.)
- Kikuchi Y (see Egashira et al). 1987;113:1516-8 (Brief comm.)
- Kim CS (see Cohen et al). 1987;113:341-4
- Kim ES (see Issenberg et al). 1987;113:400-2 (Brief comm.)
- King H (see Caldwell et al). 1987;113:873-8
- King ME (see Jiang et al). 1987;113:633-44
- Kingma JH (see Crijns et al). 1987;113:214-5 (Brief comm.)
- Kinney EL. Classification of 2D-echo left atrial masses. 1987;113:1524-7 (Brief comm.)
- , Cortada X, Ventura R. Cardiac size and motion during water immersion: implications for volume homeostasis. 1987;113:345-9
- , Wright RJ II. Aortic valve vegetations: examples of overestimation and underestimation of disease by two-dimensional echocardiography. 1987;113:1248-50 (Brief comm.)
- Kissalo JA (see Stack et al). 1987;113:725-31
- Kittrell C (see Kramer et al). 1987;113:1038-40 (Brief comm.)
- Kjeldsen SE, Lande K, Gjesdal K, Westheim A, Foss OP, Leren P, Eide IK. Increased platelet release reaction in 50-year-old men with essential hypertension: correlation with atherogenic cholesterol fractions. 1987;113:151-5
- Klein HO, Beker B, DiSegni E, Kaplinsky E. Asystole produced by the combination of amiodarone and digoxin. 1987;113:399-400 (Brief comm.)
- Klein LW, Agarwal JB, Rosenberg MC, Stets G, Weintraub WS, Schneider RM, Hermann G, Helfant RH. Assessment of coronary artery stenoses by digital subtraction angiography: a pathoanatomic validation. 1987;113:1011-7 (Prog. cardi.)
- Kleinman Y (see Schonfeld et al). 1987;113:452-7
- Klevan T, Deckelbaum LI, Wohlgelernter DW, Cleman MW. Coronary vasospasm culminating in thrombosis and infarction following successful coronary angioplasty. 1987;113:1220-2 (Brief comm.)
- Kligfield P, Ameisen O, Okin PM, Niles NW, Hochreiter C, Roman MJ, Sato N, Devereux RB, Boror JS. Relationship of the electrocardiographic response to exercise to geometric and functional findings in aortic regurgitation. 1987;113:1097-1102
- , Levy D, Devereux RB, Savage DD. Arrhythmias and sudden death in mitral valve prolapse. 1987;113:1298-1307 (Symposium)
- (see Devereux et al). 1987;113:1265-80 (Symposium)

- Kline CH (see Fyfe et al). 1987;113:210-2 (Brief comm.)  
Kloner RA (see Alker and Kloner). 1987;113:1353-5  
— (see Arnold et al). 1987;113:1055-65  
Klopfenstein HS (see Bernath et al). 1987;113:1129-32  
Klughaupt M (see Enright et al). 1987;113:360-9 (Curriculum cardiol.)  
Knoll M (see Gardin et al). 1987;113:101-9  
Kochar G, Kotler MN, Hartman J, Goldberg SE, Parry W, Parameswaran R, Scanlon M. Thrombosed aorta resulting in spinal cord ischemia and paraplegia in ischemic cardiomyopathy. 1987;113:1510-13 (Brief comm.)  
Kohmoto O (see Hirata et al). 1987;113:1463-9  
Kohno M, Yasunari K, Matsuura T, Murakawa K, Takeda T. Circulating atrial natriuretic polypeptide in essential hypertension. 1987;113:1160-3  
— (see Matsuda et al). 1987;113:684-7  
— (see Yamagishi et al). 1987;113:1243-5 (Brief comm.)  
Kohtoku S (see Matsuda et al). 1987;113:684-7  
Koide H (see Yonekura et al). 1987;113:645-54  
Koivisto P (see I. esäniemi et al). 1987;113:508-13  
— (see Miettinen et al). 1987;113:487-93  
Koiva Y (see Ikeda et al). 1987;113:1103-7  
Kondo M, Takahashi M, Matsuda T, Kume N, Yuzuki Y, Shimono Y, Fujiwara H. Clinical significance of early myocardial <sup>99m</sup>Tc-pyrophosphate uptake in patients with acute myocardial infarction. 1987;113:250-6  
Kondos GT (see Pietras et al). 1987;113:321-5  
— (see Shanes et al). 1987;113:663-71  
— (see Shanes et al). 1987;113:1261-3 (Editorial)  
Konishi Y (see Yonekura et al). 1987;113:645-54  
Koolen JJ (see van Wezel et al). 1987;113:266-73  
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— (see Nevin et al). 1987;113:822-5 (Brief comm.)  
Kotler MN (see Feitelberg et al). 1987;113:819-20 (Brief comm.)  
— (see Kochar et al). 1987;113:1510-13 (Brief comm.)  
Kovanen PT. Regulation of plasma cholesterol by hepatic low-density lipoprotein receptors. 1987;113:464-9  
Kozlovskia P (see Kessler et al). 1987;113:1540-4 (Editorial)  
Kralstein J, Frishman W. Malignant pericardial diseases: diagnosis and treatment. 1987;113:785-90 (Curriculum cardiol.)  
Kramer-Fox R (see Devereux et al). 1987;113:1265-80 (Symposium)  
— (see MacMahon et al). 1987;113:1291-7 (Symposium)  
Kramer JR, Bott-Silverman C, Ratliff NB, Strikwerda S, Loop FD, Shearin A, Cothren RM, Kittrell C, Feld MS. Removal of atherosclerotic plaque using multiple short exposures of argon ion laser light. 1987;113:1038-40 (Brief comm.)  
Krauss RM. Relationship of intermediate and low-density lipoprotein subtypes to risk of coronary artery disease. 1987;113:578-82  
Kreger BE, Cupples A, Kannel WB. The electrocardiogram in prediction of sudden death: Framingham Study experience. 1987;113:377-82 (Prog. cardiol.)  
Krol R (see Zalewski et al). 1987;113:124-9  
Krone R (see Shanes et al). 1987;113:663-71  
Krol E (see Schonfeld et al). 1987;113:450-5  
Kubota K (see Hiromasa et al). 1987;113:1482-8 (Curriculum cardiol.)  
Kume N (see Kondo et al). 1987;113:250-6  
Kunichesky S (see Shalev et al). 1987;113:820-2 (Brief comm.)  
Kuo LC, Bolli R, Thornby J, Roberts R, Verani MS. Effects of exercise tolerance, age, and gender on the specificity of radionuclide angiography: sequential ejection fraction analysis during multistage exercise. 1987;113:1180-9 (Curriculum cardiol.)  
Kupersmith J (see Hiromasa et al). 1987;113:1482-8 (Curriculum cardiol.)  
Kureshi SA (see Yonekura et al). 1987;113:645-54  
Kurimoto T (see Matsubara et al). 1987;113:1457-62  
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Kusukawa R (see Matsuda et al). 1987;113:684-7  
— (see Yamagishi et al). 1987;113:1243-5 (Brief comm.)  
Kuusi T (see Taskinen et al). 1987;113:458-64
- L**
- Lababidi Z (see Weinhaus and Lababidi). 1987;113:1035 (Brief comm.)  
Labovitz AJ (see Pearson et al). 1987;113:1417-25  
Lacny K (see Shanes et al). 1987;113:663-71  
Lacy-Niebla MC (see Vargas-Barron et al). 1987;113:829-31 (Brief comm.)  
Ladenheim ML (see O'Byrne et al). 1987;113:839-42 (Brief comm.)  
Lam J (see Crean et al). 1987;113:261-5  
Lammert N (see Percy et al). 1987;113:1228-30 (Brief comm.)  
Lande I (see Dilworth et al). 1987;113:24-32  
Lande K (see Kjeldsen et al). 1987;113:151-5  
Lang P (see Chin et al). 1987;113:1153-9  
Lange HW, Aeppli DM, Brown DC. Survival of patients with acute renal failure requiring dialysis after open heart surgery: early prognostic indicators. 1987;113:138-43  
Larson DF (see Meijboom et al). 1987;113:335-40  
Latini R, Marchi S, Riva E, Cavalli A, Cazzaniga MG, Maggioni AP, Volpi A. Distribution of propafenone and its active metabolite, 5-hydroxypropafenone, in human tissues. 1987;113:843-4 (Brief comm.)  
Laurent M, Descaves C, Biron Y, Deplace C, Almange C, Daubert JC. Familial form of arrhythmogenic right ventricular dysplasia. 1987;113:827-9 (Brief comm.)  
Laurenzi F (see Pennestri et al). 1987;113:212-4 (Brief comm.)  
Laux B (see Miura et al). 1987;113:65-9  
Lavery D, Saksena S. Management of refractory sustained ventricular tachycardia with amiodarone: a reappraisal. 1987;113:49-56  
Leak D (see Gibson et al). 1987;113:406-7 (Brief comm.)  
Leddy C (see Hossack et al). 1987;113:694-9  
Lederman SN, Wenger TL, Harrell FE Jr, Strauss HC. Effects of different paced heart rates on canine coronary occlusion and reperfusion arrhythmias. 1987;113:1365-8  
Lee G, Chan MC, Rink DL, Beerline D, Lee MH, Reis RL, Mason DT. Coronary revascularization by a new coaxially-guided laser-heated metal cap system. 1987;113:1507-8 (Brief comm.)  
Lee MH (see Lee et al). 1987;113:1507-8 (Brief comm.)  
Leenen FHH, Balfe JA, Pelech AN, Barker GA, Balfe JW, Olley PM. Postoperative hypertension after repair of coarctation of aorta in children: protective effect of propranolol? 1987;113:1164-73  
LeFree MT (see Mancini et al). 1987;113:326-34  
Leier CV (see Meiler et al). 1987;113:1207-17 (Prog. cardiol.)  
Leimgruber PP (see Anderson et al). 1987;113:37-48  
Leisch F (see Schutzenberger et al). 1987;113:1519-21 (Brief comm.)  
Leja F, Scanlon PJ, Euler DE. Mechanisms responsible for countershock-induced ventricular tachycardia in the intact canine heart. 1987;113:296-301  
Lenzi S (see Bugiardini et al). 1987;113:234-41  
Leren P (see Kjeldsen et al). 1987;113:151-5  
Levin AR (see Snyder et al). 1987;113:198-200 (Brief comm.)  
Levine RA (see Jiang et al). 1987;113:633-44  
Levy D, Savage D. Prevalence and clinical features of mitral valve prolapse. 1987;113:1281-90 (Symposium)  
— (see Kligfield et al). 1987;113:1298-1307 (Symposium)  
Lie KI (see Crijns et al). 1987;113:214-5 (Brief comm.)  
Liem LB, Clay DA, Franz MR, Swerdlow CD. Electrophysiology and antiarrhythmic efficacy of intravenous pimarolol in patients with sustained ventricular tachyarrhythmias. 1987;113:1390-6  
Limacher MC (see Zoghbi et al). 1987;113:1108-13  
Lima CO (see Meijboom et al). 1987;113:335-40  
Lindpaintner K, Kienle MG. Acute ischemia as a contributing factor in torsade de pointes: treatment by coronary artery bypass grafting. 1987;113:1026-7 (Brief comm.)  
Lippmann M (see Feitelberg et al). 1987;113:819-20 (Brief comm.)  
Lizzadro G (see Casolo et al). 1987;113:1245-8 (Brief comm.)  
Loeber CP, Goldberg SJ, Marx GR, Carrier M, Emery RW. How much does aortic and pulmonary artery area vary during the cardiac cycle? 1987;113:95-100  
— (see Wilson et al). 1987;113:878-85  
Loggie JMH (see Daniels et al). 1987;113:349-53  
Lojeski EW (see Thompson et al). 1987;113:1444-8  
Loop FD (see Kramer et al). 1987;113:1038-40 (Brief comm.)  
Loperfido F (see Pennestri et al). 1987;113:212-4 (Brief comm.)  
Lopez JA, Ross RS, Fishbein MC, Siegel RJ. Nonbacterial thrombotic endocarditis: a review. 1987;113:773-84 (Curriculum cardiol.)  
Loscalzo J. Syndrome of paradoxical embolism. 1987;113:1536 (Letter reply)  
Lown B (see Hohnloser et al). 1987;113:1066-70  
Luber JM Jr (see Diamond et al). 1987;113:195-8 (Brief comm.)  
Lucchesi BR (see Mickelson et al). 1987;113:1345-52  
— (see Simpson et al). 1987;113:129-37  
Lutz JR (see Anastasiou-Nana et al). 1987;113:1071-7



- M**
- MacMahon SW, Roberts JK, Kramer-Fox R, Zucker DM, Roberts RB, Devereux RB. Mitral valve prolapse and infective endocarditis. 1987;113:1291-7 (Symposium)
- Macri N (see Bugiardini et al). 1987;113:234-41
- Madigan NP (see Alpert et al). 1987;113:958-65
- Madrid JV (see Vargas-Barron et al). 1987;113:829-31 (Brief comm.)
- Maeda T (see Yamagishi et al). 1987;113:1243-5 (Brief comm.)
- Maggioni AP (see Latini et al). 1987;113:843-4 (Brief comm.)
- Magnenat P (see Schlaffer et al). 1987;113:1041-2 (Brief comm.)
- Mahias-Narvarde H, Adams KF, Willis PW. Evolution of regional left ventricular wall motion abnormalities in acute Q and non-Q wave myocardial infarction. 1987;113:1369-75
- Mahony L (see Caldwell et al). 1987;113:873-8
- Maldonado C (see Hiromasa et al). 1987;113:1482-8 (Curriculum cardiol.)
- Malik R (see Shanes et al). 1987;113:663-71
- Mancini GBJ, DeBoe SF, Anselmo E, Simon SB, LeFree MT, Vogel RA. Quantitative regional curvature analysis: an application of shape determination for the assessment of segmental left ventricular function in man. 1987;113:326-34
- , Friedman JZ, Hramiec JE, DeBoe SF. Relation between graded, subcritical impairments of coronary flow reserve and regional myocardial dysfunction induced by isoproterenol infusion in dogs. 1987;113:906-16
- (see Dilworth et al). 1987;113:24-32
- Mancuso L, Bondi F, Marchi S, Iacona MA, Guarnera S, Patane L. Cardiac hydatid disease with clinical features resembling tricuspid stenosis. 1987;113:1234-7 (Brief comm.)
- Mandel A (see Bough et al). 1987;113:1031-2 (Brief comm.)
- Mandel WJ (see Katoh et al). 1987;113:941-52
- (see Ohta et al). 1987;113:289-96
- Marchi S (see Latini et al). 1987;113:843-4 (Brief comm.)
- (see Mancuso et al). 1987;113:1234-7 (Brief comm.)
- Marcus L (see Savin et al). 1987;113:1078-84
- Margel S (see Savin et al). 1987;113:1078-84
- Marino B, Sanders SP, Parness IA, Colan SD. Echocardiographic identification of aortic aortic valve with ventricular septal defect, normal left ventricle and mitral valve. 1987;113:1521-4 (Brief comm.)
- Markiewicz W, Sechtem U, Higgins CB. Evaluation of the right ventricle by magnetic resonance imaging. 1987;113:8-15
- Marmulstein M (see Shanes et al). 1987;113:663-71
- Maroko GR (see Zalewski et al). 1987;113:124-9
- Marx PR (see Loeber et al). 1987;113:95-100
- (see Wilson et al). 1987;113:750-9
- (see Wilson et al). 1987;113:878-85
- Mason DT. Retraction. 1987;113:1539 (Letter)
- (see Bashour et al). 1987;113:1199-1206 (Prog. cardiol.)
- (see Lee et al). 1987;113:1507-8 (Brief comm.)
- Masson M (see Denes et al). 1987;113:33-6
- Mathew R (see Isenberg et al). 1987;113:400-2 (Brief comm.)
- Mathias P, Kerin NZ, Blevins RD, Cascade P, Rubenfire M. Coronary vasospasm as a cause of stunned myocardium. 1987;113:383-5 (Brief comm.)
- Matloff JM (see Bateman et al). 1987;113:977-83
- Matsubara H, Nishikawa M, Umeda Y, Taniguchi T, Iwasaka T, Kurimoto T, Yamane Y, Inada M. The role of atrial pressure in secreting atrial natriuretic polypeptides. 1987;113:1457-62
- Matsuda M (see Matsuda et al). 1987;113:684-7
- Matsuda T (see Kondo et al). 1987;113:250-6
- Matsuda Y, Moritani K, Ogawa H, Matsuda M, Kohno M, Miura T, Kohtoku S, Hiro T, Yano M, Kusukawa R. Left ventricular wall motion at rest in patients with organic coronary artery disease vs coronary spasm. 1987;113:684-7
- (see Hamada et al). 1987;113:1024-6 (Brief comm.)
- Matsuo H (see Hirata et al). 1987;113:1463-9
- (see Obata et al). 1987;113:845-7 (Brief comm.)
- Matsuoka H (see Hirata et al). 1987;113:1463-9
- Matsuura T (see Kohno et al). 1987;113:1160-3
- Matsuzaki M (see Yamagishi et al). 1987;113:1243-5 (Brief comm.)
- Mazzari M (see Pennestri et al). 1987;113:212-4 (Brief comm.)
- McAllister HA (see Hui et al). 1987;113:1230-4 (Brief comm.)
- McAllister SM (see Adams et al). 1987;113:732-42
- McEwan MP (see Gill et al). 1987;113:700-7
- McGee DL (see Kannel et al). 1987;113:370-6 (Prog. cardiol.)
- McGill HC Jr (see Getz et al). 1987;113:438-43
- McIntosh CL (see Roberts et al). 1987;113:1316-23 (Symposium)
- McLean LR (see Jackson et al). 1987;113:549-52
- McManus BM (see Rogers et al). 1987;113:1237-9 (Brief comm.)
- Meddings JB, Spady DK, Dietschy JM. Kinetic characteristics and mechanisms of regulation of receptor-dependent and receptor-independent LDL transport in the liver of different animal species and humans. 1987;113:475-81
- Medeiros AA (see Bough et al). 1987;113:1031-2 (Brief comm.)
- Mehta SK, Walsh JT, Goldbery AD, Topham WS. Increasing daytime vascular resistance with progressive hypertension in ambulant patients. 1987;113:156-62
- Meijboom EJ, Horowitz S, Valdes-Cruz LM, Larson DF, Bom N, Rijsterborgh H, Lima CO, Sahn DJ. A simplified mitral valve method for two-dimensional echo Doppler blood flow calculation: validation in an open-chest canine model and initial clinical studies. 1987;113:335-40
- Meiler SEL, Ashton JJ, Moeschberger ML, Unverferth DV, Leier CV. An analysis of the determinants of exercise performance in congestive heart failure. 1987;113:1207-17 (Prog. cardiol.)
- Mendoza RVB (see Guerra et al). 1987;113:716-24
- Mentzer RM (see Teja et al). 1987;113:1527-9 (Brief comm.)
- Mestroni L (see Neri et al). 1987;113:707-15
- Meyer C (see Shanes et al). 1987;113:663-71
- Meyers DG, Vallone NL, Engel TR. Repolarization abnormalities in mitral valve prolapse. 1987;113:1414-6
- Mickelson JK, Simpson PJ, Gallas MT, Lucchesi BR. Thromboxane synthetase inhibition with CGS 13080 improves coronary blood flow after streptokinase-induced thrombolysis. 1987;113:1345-52
- Miettinen TA, Kesäniemi YA, Färkkilä M, Koivisto P, Vuoristo M. Enhanced cholesterol elimination and synthesis related to low-density lipoprotein metabolism. 1987;113:487-93
- (see Kesäniemi et al). 1987;113:508-13
- (see Tilvis et al). 1987;113:615-9
- Miller AB (see Percy et al). 1987;113:1228-30 (Brief comm.)
- Miller D (see Frost et al). 1987;113:1356-64
- Miller NE. Associations of high-density lipoprotein subclasses and apolipoproteins with ischemic heart disease and coronary atherosclerosis. 1987;113:589-97
- Millman AE (see Cohen et al). 1987;113:341-4
- Mitchell RL (see Enright et al). 1987;113:360-9 (Curriculum cardiol.)
- Mitsos SE (see Simpson et al). 1987;113:129-37
- Miura DS, Wynn J, Keefe D, Laux B, Somberg JC. Antiarrhythmic effects of indecainide in a drug-resistant population with ventricular tachycardia at programmed electrical stimulation. 1987;113:65-9
- Miura T (see Matsuda et al). 1987;113:684-7
- Miyamura H (see Oda et al). 1987;113:1513-6 (Brief comm.)
- Miyata A (see Hirata et al). 1987;113:1463-9
- (see Obata et al). 1987;113:845-7 (Brief comm.)
- Moak JP, Friedman RA, Garson A Jr. Electrical ablation of atrial muscle. II. early and late electrophysiologic observations in canine atria. 1987;113:1404-13
- , Smith RT, Garson A Jr. Newer antiarrhythmic drugs in children. 1987;113:179-85 (Prog. cardiol.)
- Mochizuki T (see Hirata et al). 1987;113:1463-9
- Moeschberger ML (see Meiler et al). 1987;113:1207-17 (Prog. cardiol.)
- Molina C (see Guerra et al). 1987;113:716-24
- Moller JH (see Chen and Moller). 1987;113:767-72
- Morady F, Halter JB, DeCarlo LA Jr, Baerman JM, de Buitler M. The interplay between endogenous catecholamines and induced ventricular tachycardia during electrophysiologic testing. 1987;113:227-33
- (see DiCarlo et al). 1987;113:57-64
- Morgan RJ (see Alpert et al). 1987;113:958-65
- Moritani K (see Matsuda et al). 1987;113:684-7
- Mostel E (see Iskandrian et al). 1987;113:163-70 (Curriculum cardiol.)
- Mourot F (see Trigano et al). 1987;113:1027-9 (Brief comm.)
- Mrosek D (see Pearson et al). 1987;113:1417-25
- Muhler E, von Bernuth G. Severe tricuspid valve regurgitation caused by transvenous pacemaker: echocardiographic diagnosis. 1987;113:1029-31 (Brief comm.)
- Mukerji V (see Alpert et al). 1987;113:958-65
- Munakata K (see Ikeda et al). 1987;113:1103-7
- Murai K, Oku H, Takeuchi K, Kanayama Y, Inoue T, Takeda T. Alterations in myocardial systolic and diastolic function in patients with active systemic lupus erythematosus. 1987;113:966-71
- Murakawa K (see Kohno et al). 1987;113:1160-3

- Murphy A (see Rivers et al). 1987;113:216-7 (Brief comm.)  
Myerburg RJ (see de Marchena et al). 1987;113:391-3 (Brief comm.)  
— (see Kessler et al). 1987;113:1540-4 (Editorial)  
— (see Trohman et al). 1987;113:1252-4 (Brief comm.)

# N

- Nadeau R. Wolff-Parkinson-White VCG patterns. 1987;113:1539 (Letter)  
Nakashima M (see Uematsu et al). 1987;113:1532 (Letter)  
Nakhjavan FK (see Feitelberg et al). 1987;113:819-20 (Brief comm.)  
Nalos P (see Shah et al). 1987;113:194-5 (Brief comm.)  
Nalos PC (see O'Byrne et al). 1987;113:839-42 (Brief comm.)  
Nanas JN, Sutton RB, Alazraki N, Tsagaris TJ. Acute myocardial infarction in post infarct patient possibly through beta blocker-induced coronary artery spasm. 1987;113:388-91 (Brief comm.)  
Naomi S (see Obata et al). 1987;113:845-7 (Brief comm.)  
Neri R, Mestroni L, Salvi A, Pandullo C, Camerini F. Ventricular arrhythmias in dilated cardiomyopathy: efficacy of amiodarone. 1987;113:707-15  
Neri Serneri GG, Gensini GF, Carnovali M, Prisco D, Rogasi PG, Casolo GC, Fazi A, Abbate R. Association between time of increased fibrinogen levels in plasma and episodes of spontaneous angina: a controlled prospective study. 1987;113:672-8  
Nestel PJ. High-density lipoprotein turnover. 1987;113:518-21  
Nestico PF (see Iskandrian et al). 1987;113:791-8 (Curriculum cardiol.)  
Nevin MF, Korr KS, Bough EW, Felix JMF, Shulman RS, Boden WE. Consecutive ST segment depression and elevation in the same electrocardiographic leads during an asymptomatic exercise treadmill test. 1987;113:822-5 (Brief comm.)  
Nichols MM (see Casta et al). 1987;113:1032-6 (Brief comm.)  
Nicod P (see Schlapher et al). 1987;113:1041-2 (Brief comm.)  
Nikkilä EA, Taskinen MR, Sane T. Plasma high-density lipoprotein concentration and subfraction distribution in relation to triglyceride metabolism. 1987;113:543-8  
— (see Taskinen et al). 1987;113:458-64  
— (see Tikkanen and Nikkilä). 1987;113:562-7  
Niles NW (see Kligfield et al). 1987;113:1097-1102  
Nishikawa M (see Matsubara et al). 1987;113:1457-62  
Nishimura M (see Hiromasa et al). 1987;113:1482-8 (Curriculum cardiol.)  
Nissen SE (see Rovai et al). 1987;113:1437-43  
Nixon JV (see Schaefer et al). 1987;113:397-9 (Brief comm.)  
Noel J, Rosenbaum LH, Gangadharan V, Stewart J, Galens G. Serum sickness-like illness and leukocytoclastic vasculitis following intracoronary arterial streptokinase. 1987;113:395-7 (Brief comm.)  
Nohara R (see Yonekura et al). 1987;113:645-54  
Norwood WI (see Chin et al). 1987;113:1153-9  
Nussberger J (see Schlapher et al). 1987;113:1041-2 (Brief comm.)

# O

- Obata K, Yasue H, Horio Y, Naomi S, Umeda T, Sate T, Miyata A, Kangawa K, Matsuo H. Increase of human atrial natriuretic polypeptide in response to cardiac pacing. 1987;113:845-7 (Brief comm.)  
Oda H, Aizawa Y, Shibata A, Kanazawa H, Miyamura H, Eguchi S. Thrombosed prosthetic valve after catheter ablation for ventricular tachycardia. 1987;113:1513-6 (Brief comm.)  
Oesterle SN (see Cameron et al). 1987;113:354-60 (Curriculum cardiol.)  
Oettinger M (see Shalev et al). 1987;113:820-2 (Brief comm.)  
Ofarim M (see Savin et al). 1987;113:1078-84  
Ogawa H. Comparison of non-Q and Q wave myocardial infarction. 1987;113:1534 (Letter reply)  
— (see Matsuda et al). 1987;113:684-7  
Ohe M (see Ikeda et al). 1987;113:1103-7  
Ohno H (see Hamada et al). 1987;113:1024-6 (Brief comm.)  
Ohta M, Karagueuzian HS, Mandel WJ, Peter T. Acute and chronic effects of amiodarone on delayed after-depolarization and triggered automaticity in rabbit ventricular myocardium. 1987;113:289-96  
— (see Katoh et al). 1987;113:941-52  
Ohyama T (see Ikeda et al). 1987;113:1103-7  
Okada RD, Boucher CA. Differentiation of viable and nonviable

- myocardium after acute reperfusion using serial thallium-201 imaging. 1987;113:241-50  
Okin PM (see Kligfield et al). 1987;113:1097-1102  
Oku H (see Murai et al). 1987;113:966-71  
Okubo S (see Hongo et al). 1987;113:654-62  
Olea E (see Shanes et al). 1987;113:663-71  
Oliver JA (see Gibson et al). 1987;113:406-7 (Brief comm.)  
Olley PM (see Leenen et al). 1987;113:1164-73  
Olofsson SO, Boström K, Carlsson P, Borén J, Wettsten M, Bjursell G, Wiklund O, Bondjers G. Structure and biosynthesis of apolipoprotein B. 1987;113:446-52  
Olsson AG. Review of angiographic studies on treatment of atherosclerotic vascular disease. 1987;113:609-14  
Oram JF (see Bierman and Oram). 1987;113:549-50  
Origuchi H (see Egashira et al). 1987;113:1516-8 (Brief comm.)  
O'Byrne GT, Nalos PC, Gang ES, Kass RM, Ladenheim ML, Peter T. Progression of complete heart block to isolated infra-Hisian block following penetrating cardiac trauma. 1987;113:839-42 (Brief comm.)

# P

- Pacifico A (see Schieken et al). 1987;113:202-4 (Brief comm.)  
Packard CJ (see Shepherd and Packard). 1987;113:503-8  
Packer M (see Kessler and Packer). 1987;113:137-43  
Paffenbarger RS Jr (see Kannel et al). 1987;113:1489-94 (Prog. cardiol.)  
Palakurthy PR (see Hiromasa et al). 1987;113:1482-8 (Curriculum cardiol.)  
Palomo AR (see de Marchena et al). 1987;113:391-3 (Brief comm.)  
— (see Trohman et al). 1987;113:1252-4 (Brief comm.)  
Pandullo C (see Neri et al). 1987;113:707-15  
Pantopoulos D (see Saksena et al). 1987;113:1495-1506 (Prog. cardiol.)  
Parameswaran R (see Kochar et al). 1987;113:1510-13 (Brief comm.)  
Parker FC, Croft JB, Cresanta JL, Freedman DS, Burke GL, Webber LS, Berenson GS. The association between cardiovascular response tasks and future blood pressure levels in children: Bogalusa Heart Study. 1987;113:1174-9  
Parness IA (see Marino et al). 1987;113:1521-4 (Brief comm.)  
Parrish MD (see Artman et al). 1987;113:144-50  
Perry W (see Kochar et al). 1987;113:1510-13 (Brief comm.)  
Parsonnet V (see Gordon et al). 1987;113:837-9 (Brief comm.)  
Patane L (see Mancuso et al). 1987;113:1234-7 (Brief comm.)  
Pavel D (see Shanes et al). 1987;113:663-71  
Pearlman JD, Gibson RS. Doppler measurement of left atrial depressurization and mitral valve area in patients with suspected mitral stenosis: validation of a new method. 1987;113:868-73  
Pearson AC, Labovitz AJ, Mrosek D, Williams GA, Kennedy HL. Assessment of diastolic function in normal and hypertrophied hearts: comparison of Doppler echocardiography and M-mode echocardiography. 1987;113:1417-25  
Pelech AN (see Leenen et al). 1987;113:1164-73  
Pelletier C (see Waters et al). 1987;113:1224-6 (Brief comm.)  
Pennestri F, Favuzzi A, Laurenzi F, Mazzari M, Loperfido F. Dissection of the anterior mitral leaflet causing mitral regurgitation in aortic valve endocarditis. 1987;113:212-4 (Brief comm.)  
Pepine CJ (see Joyal et al). 1987;113:1376-82  
Percy RF, Perryman RA, Amornmarn R, Lammert N, Conetta DA, Bass TA, Miller AB. Prolonged survival in a patient with primary angiosarcoma of the heart. 1987;113:1228-30 (Brief comm.)  
Perez M (see Seguin et al). 1987;113:1239-40 (Brief comm.)  
Perloff JK, Child JS. Clinical and epidemiologic issues in mitral valve prolapse: overview and perspective. 1987;113:1324-32 (Symposium)  
Perry BL (see Karpawich et al). 1987;113:316-21  
Perryman RA (see Percy et al). 1987;113:1228-30 (Brief comm.)  
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— (see Ohta et al). 1987;113:289-96  
— (see O'Byrne et al). 1987;113:839-42 (Brief comm.)  
— (see Shah et al). 1987;113:194-5 (Brief comm.)  
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Pickoff AS (see Villafane et al). 1987;113:1036-8 (Brief comm.)  
Pieper J (see Joyal et al). 1987;113:1376-82  
Pietinen P, Huttunen JK. Dietary determinants of plasma high-density lipoprotein cholesterol. 1987;113:620-5

- Pietras RJ, Kondos GT, Kaplan D. Quantitative validation of cineangiographic biplane axial oblique right ventricular volume measurement. 1987;113:321-5
- Pini R (see Devereux et al). 1987;113:1265-80 (Symposium)
- Poggesi L (see Casolo et al). 1987;113:1245-8 (Brief comm.)
- Pohost GM (see Thompson et al). 1987;113:1444-8
- Polikar R (see Schlaffer et al). 1987;113:1041-2 (Brief comm.)
- Pratt CM, Slymen DJ, Wierman AM, Francis M, Thornton B, Young JB, English LD, Stone CL, Sarnoff SJ, Roberts R. Asymptomatic telephone ECG transmissions as an outpatient surveillance system of ventricular arrhythmias: relationship to quantitative ambulatory ECG recordings. 1987;113:1-7
- Present S (see Kern et al). 1987;113:1218-20 (Brief comm.)
- Pressly TA, Franklin JO, Alpert MA, Reams GP, Taylor LM. Cardiac valvular involvement in Tangier disease. 1987;113:200-2 (Brief comm.)
- Prisco D (see Neri Serneri et al). 1987;113:672-8
- Przybojewski JZ, Van Rensburg CJ. Comparison of non-Q and Q wave myocardial infarction. 1987;113:1532 (Letter)
- Przybylski J (see Sabbah et al). 1987;113:885-90
- Przyklenk K (see Arnold et al). 1987;113:1055-65
- Puddu P (see Bugiardini et al). 1987;113:234-41
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- Quinones MA (see Zoghbi et al). 1987;113:1108-13
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- Raftery EB (see Khurmi and Raftery). 1987;113:1091-6
- Rahimtoola SH (see Reid et al). 1987;113:971-6
- Ramage JE (see Stack et al). 1987;113:725-31
- Ramentol M (see Braat et al). 1987;113:257-60
- Ratcliff JW (see Kennedy and Ratcliff). 1987;113:186-93 (Prog. cardi.)
- Rath S (see Shechter et al). 1987;113:171-8 (Curriculum cardi.)
- Ratliff NB (see Kramer et al). 1987;113:1038-40 (Brief comm.)
- Ratner AV (see Thompson et al). 1987;113:1444-8
- Ravid M (see Savin et al). 1987;113:1078-84
- Raymond MJ (see Bateman et al). 1987;113:977-83
- Reams GP (see Pressly et al). 1987;113:200-2 (Brief comm.)
- Rechavia E (see Sclarovsky et al). 1987;113:1085-90
- Rector TS, Cohn JN. Atrial natriuretic peptide in myocardial infarction. 1987;113:1532 (Letter reply)
- Reddy GV, Schamroth L. The localization of bypass tracts in the Wolff-Parkinson-White syndrome from the surface electrocardiogram. 1987;113:984-93 (Curriculum cardi.)
- Reed K (see Wilson et al). 1987;113:750-9
- Reid CL, Kawanishi DT, Rahimtoola SH, Chandraratna AN. Chest trauma: evaluation by two-dimensional echocardiography. 1987;113:971-6
- Reihner E (see Angelin et al). 1987;113:482-7
- Reis RL (see Lee et al). 1987;113:1507-8 (Brief comm.)
- Rembert JC (see Stack et al). 1987;113:725-31
- Remond JM (see Trigano et al). 1987;113:1027-9 (Brief comm.)
- Renlund DG, Hanley DF, Traill TA. Guillain-Barré syndrome following coronary artery bypass surgery. 1987;113:844-5 (Brief comm.)
- Riegel MB (see Brinker et al). 1987;113:1020-4 (Brief comm.)
- Rijsterborgh H (see Meijboom et al). 1987;113:335-40
- Ring ME, Huang SK. Spontaneous termination from prolonged ventricular fibrillation. 1987;113:1226-8 (Brief comm.)
- Ringel RE (see Schieken et al). 1987;113:202-4 (Brief comm.)
- Rink DL (see Lee et al). 1987;113:1507-8 (Brief comm.)
- Ritz R (see Vozeh et al). 1987;113:928-33
- Riva E (see Latini et al). 1987;113:843-4 (Brief comm.)
- Rivers J, Garrahy P, Robinson W, Murphy A. Reversible cardiac dysfunction in hemochromatosis. 1987;113:216-7 (Brief comm.)
- Roberts JK (see MacMahon et al). 1987;113:1291-7 (Symposium)
- Roberts R (see Kuo et al). 1987;113:1180-9 (Curriculum cardi.)
- (see Pratt et al). 1987;113:1-7
- Roberts RB (see MacMahon et al). 1987;113:1291-7 (Symposium)
- Roberts WC, McIntosh CL, Wallace RB. Mechanisms of severe mitral regurgitation in mitral valve prolapse determined from analysis of operatively excised valves. 1987;113:1316-23 (Symposium)
- Robinowitz M (see Virmani et al). 1987;113:851-8
- Robinson W (see Rivers et al). 1987;113:216-7 (Brief comm.)
- Roffman DS (see Hassan et al). 1987;113:743-9
- Rogasi PG (see Neri Serneri et al). 1987;113:672-8
- Rogers JG, McManus BM, Cassling RS, Dobry Ca, Fleming WH. False aneurysm of the aortic root: mimic of malignancy, mediator of myocardial ischemia. 1987;113:1237-9 (Brief comm.)
- Rogers WJ (see Saenz et al). 1987;113:84-9
- Rohan MK (see Gardin et al). 1987;113:101-9
- Rokey R (see Zoghbi et al). 1987;113:1108-13
- Roman MJ (see Kligfield et al). 1987;113:1097-1102
- Rosenbaum LH (see Noel et al). 1987;113:395-7 (Brief comm.)
- Rosenberg MC (see Klein et al). 1987;113:1011-7 (Prog. cardi.)
- Ross J Jr (see Heusch et al). 1987;113:116-24
- Ross RS (see Lopez et al). 1987;113:773-84 (Curriculum cardi.)
- Roubin GS (see Anderson et al). 1987;113:37-48
- Rovai D, Nissen SE, Elion JL, Distant A, DeMaria AN. Limitations of digital subtraction contrast echocardiography in enhancing left ventricular endocardial definition. 1987;113:1437-43
- Rubenfire M (see Mathias et al). 1987;113:383-5 (Brief comm.)
- Rudling M (see Angelin et al). 1987;113:482-7
- Ryzen E. Serum magnesium and mononuclear blood cell magnesium. 1987;113:1535 (Letter reply)
- S**
- Saah ID (see Enright et al). 1987;113:360-9 (Curriculum cardi.)
- Saba K (see Savin et al). 1987;113:1078-84
- Sabbah HN, Przybylski J, Albert DE, Stein PD. Peak aortic blood acceleration reflects the extent of left ventricular ischemic mass at risk. 1987;113:885-90
- Saenz CB, Rogers WJ, Whitlow PL, Baxley WA, Hood WP Jr, Katholi CR, Soto B. Morphology of occlusive coronary lesions during acute myocardial infarction: an angiographic and clinical analysis. 1987;113:84-9
- Sagar KB (see Cogswell et al). 1987;113:110-6
- Sagara T (see Egashira et al). 1987;113:1516-8 (Brief comm.)
- Sahn DJ (see Meijboom et al). 1987;113:335-40
- (see Sherman et al). 1987;113:825-7 (Brief comm.)
- Saito M, Fukami K, Hiramori K, Haze K, Sumiyochi T, Kasagi H, Horibe H. Long-term prognosis of patients with acute myocardial infarction: is mortality and morbidity as low as the incidence of ischemic heart disease in Japan? 1987;113:891-7
- Saji H (see Yonekura et al). 1987;113:645-54
- Saksena S, Pantopoulos D, Hussain SM, Gielchinsky I. Mechanisms of ventricular tachycardia termination and acceleration during transvenous cardioversion as determined by cardiac mapping in man. 1987;113:1495-1506 (Prog. cardi.)
- (see Gordon et al). 1987;113:837-9 (Brief comm.)
- (see Lavery and Saksena). 1987;113:49-56
- Saltz M (see Villafane et al). 1987;113:1036-8 (Brief comm.)
- Salvi A (see Neri et al). 1987;113:707-15
- Sanders SP (see Chin et al). 1987;113:1153-9
- (see Marino et al). 1987;113:1521-4 (Brief comm.)
- Sandor T (see Arnold et al). 1987;113:1055-65
- Sane T (see Nikkilä et al). 1987;113:543-8
- (see Taskinen et al). 1987;113:458-64
- Sanfilippo JF (see Alpert et al). 1987;113:958-65
- Santarelli P (see Denes et al). 1987;113:33-6
- Sapire DW (see Wolf et al). 1987;113:1149-52
- Sareli P (see Schamroth et al). 1987;113:1240-3 (Brief comm.)
- Sarnoff SJ (see Pratt et al). 1987;113:1-7
- Sate T (see Obata et al). 1987;113:845-7 (Brief comm.)
- Sato H (see Hirata et al). 1987;113:1463-9
- Sato N (see Kligfield et al). 1987;113:1097-1102
- Savage DD (see Devereux et al). 1987;113:1265-80 (Symposium)
- (see Levy and Savage). 1987;113:1281-90 (Symposium)
- (see Kligfield et al). 1987;113:1298-1307 (Symposium)
- Savin H, Marcus L, Margel S, Ofarim M, Ravid M, Saba K. Treatment of adverse digitalis effects by hemoperfusion through columns with antidigoxin antibodies bound to agarose polyacrolein microsphere beads. 1987;113:1078-84
- Scanlon M (see Kochar et al). 1987;113:1510-13 (Brief comm.)
- Scanlon PJ (see Leja et al). 1987;113:296-301
- Scanu AM. Proapolipoprotein-converting enzymes and high-



- density lipoprotein early events in biogenesis. 1987;113:527-32
- Schaefer S, Shohet RV, Nixon JV, Peshock RM. Right ventricular obstruction from cervical carcinoma: a rare, single metastatic site. 1987;113:397-9 (Brief comm.)
- Schaer DH, Cheng TO, Aaron BL. Hemolytic anemia and acute mitral regurgitation caused by a torn cusp of a porcine mitral prosthetic valve 7 years after its implantation. 1987;113:404-6 (Brief comm.)
- Schamroth CL, Sareli P, Behr A, Grieve TP. Takayasu's arteritis and myocardial dysfunction. 1987;113:1240-3 (Brief comm.)
- Schamroth L (see Reddy and Schamroth). 1987;113:984-93 (Curriculum cardiol.)
- Schenk C (see Iskandrian et al). 1987;113:791-8 (Curriculum cardiol.)
- Schieken LS, Brenner JI, Baker KR, Ringel RE, Pacifico A. Aneurysm of the ascending aorta associated with sternal cleft, cutaneous hemangioma, and occlusion of the right innominate artery in a neonate. 1987;113:202-4 (Brief comm.)
- Schlapfer J, Polikar R, Waeber B, Nuasberger J, Brunner HR, Magnenat P, Nicod P. Effects of aortic valve replacement on blood pressure, neurohumoral regulation, and arrhythmias in patients with aortic stenosis. 1987;113:1041-2 (Brief comm.)
- Schmidlin O (see Vozeh et al). 1987;113:928-33
- Schneider RM (see Klein et al). 1987;113:1011-7 (Prog. cardiol.)
- Schoen FJ (see Arnold et al). 1987;113:1055-65
- Scholer A (see Vozeh et al). 1987;113:928-33
- Schonfeld G, Kleinman Y, Krul E. The immunochemistry of apolipoprotein B. 1987;113:452-7
- Schork MA (see Simpson et al). 1987;113:129-37
- Schurig L (see DiCarlo LA et al). 1987;113:57-64
- Schutzenberger W, Leisch F, Gross C, Brucke P, Herbig W. Beta-blockers: an effective treatment in congenital coronary fistulas to main pulmonary trunk in adults. 1987;113:1519-21 (Brief comm.)
- Schwab M (see Josephson et al). 1987;113:952-7
- Schwartz J (see Keefe et al). 1987;113:218-25 (Editorial)
- Sciaccia A (see Baciarello et al). 1987;113:307-15
- Sciarovsky S, Topaz O, Rechavia E, Stasberg B, Agmon J. Ischemic ST segment depression in leads V<sub>2</sub>-V<sub>3</sub> as the presenting electrocardiographic feature of posterolateral wall myocardial infarction. 1987;113:1085-90
- Sechtem U (see Markiewicz et al). 1987;113:8-15
- Segal KR (see Cohen et al). 1987;113:341-4
- Seguin JR, Coulon PL, Perez M, Grolleau-Raoux R, Chaptal PA. Echocardiographic diagnosis of intrapericardial teratoma in infancy. 1987;113:1239-40 (Brief comm.)
- Seitz W. Echographic estimation of aortic stenosis. 1987;113:1535 (Letter reply)
- Senda M (see Yonekura et al). 1987;113:645-54
- Serizawa T (see Hirata et al). 1987;113:1463-9
- Sgrigna V (see Baciarello et al). 1987;113:307-15
- Shah A, Askari AD. Pericardial changes and left ventricular function in ankylosing spondylitis. 1987;113:1529-31 (Brief comm.)
- Shah PK, Nalos P, Peter T. Atropine resistant post infarction complete AV block: possible role of adenosine and improvement with aminophylline. 1987;113:194-5 (Brief comm.)
- Shah PM (see Boltwood et al). 1987;113:847-9 (Brief comm.)
- Shalev Y, Oettinger M, Ayzenberg O, Kunichesky S, Caspi A. Successful cardiopulmonary resuscitation in a patient with rare sinus node artery anomaly. 1987;113:820-2 (Brief comm.)
- Shames DM (see Havel et al). 1987;113:470-4
- Shanes JG, Pavel D, Blend M, Olea E, Krone R, Lacny K, Marmulstein M, Malik R, Meyer C, Kondos GT. Comparison of electrocardiography and thallium-201 myocardial scintigraphy for the detection of ergonovine-induced coronary artery spasm: angiographic correlation. 1987;113:663-71
- , Stein MA, Dierenfeldt BJ, Kondos GT. The value of routine right heart catheterization in patients undergoing coronary arteriography. 1987;113:1261-3 (Editorial)
- Shearin A (see Kramer et al). 1987;113:1038-40 (Brief comm.)
- Shear MK (see Devereux et al). 1987;113:1265-80 (Symposium)
- Shechter M, Farfel Z, Vered Z, Rath S, Goor D, Gafni J. Review of echocardiographically diagnosed right heart entrapment of pulmonary emboli-in-transit with emphasis on management. 1987;113:171-8 (Curriculum cardiol.)
- Shepherd J, Packard CJ. Metabolic heterogeneity in very low-density lipoproteins. 1987;113:503-8
- Sheps DS (see Adams et al). 1987;113:732-42
- Sherman F (see Chin et al). 1987;113:1153-9
- Sherman FS, Daily PO, Swenson RE, Simon AL, Gerber K, Sahn DJ. Single coronary artery complicating repair of pulmonic stenosis. 1987;113:825-7 (Brief comm.)
- Shibata A (see Oda et al). 1987;113:1513-6 (Brief comm.)
- Shimono Y (see Kondo et al). 1987;113:250-6
- Shimshak TM (see Bernath et al). 1987;113:1129-32
- Shiomi M (see Hatanaka et al). 1987;113:280-8
- Shirato K (see Ikeda et al). 1987;113:1103-7
- Shohet RV (see Schaefer et al). 1987;113:397-9 (Brief comm.)
- Shulman RS (see Bough et al). 1987;113:1031-2 (Brief comm.)
- (see Nevin et al). 1987;113:822-5 (Brief comm.)
- Siegel RJ, Fealy M, Edwards G, Karagueuzian H, Fishbein MC. Immunohistochemical localization of procainamide in normal, ischemic, and necrotic canine myocardium during acute experimental myocardial infarction. 1987;113:1383-9
- (see Lopez et al). 1987;113:773-84 (Curriculum cardiol.)
- Sila CA (see Wolf and Sila). 1987;113:1308-15 (Symposium)
- Simon AL (see Sherman et al). 1987;113:825-7 (Brief comm.)
- Simon SB (see Mancini et al). 1987;113:326-34
- Simoons ML (see Deckers et al). 1987;113:90-5
- Simpson PJ, Mitsos SE, Ventura A, Gallagher KP, Fantone JC, Abrams GD, Schork MA, Lucchesi BR. Prostacyclin protects ischemic reperfused myocardium in the dog by inhibition of neutrophil activation. 1987;113:129-37
- (see Mickelson et al). 1987;113:1345-52
- Singh BN. Bepridil in hypertrophic obstructive cardiomyopathy. 1987;113:1537 (Letter reply)
- (see Josephson et al). 1987;113:952-7
- (see Yabek et al). 1987;113:70-6
- Slaughter RL (see Wooding-Scott et al). 1987;113:302-6
- Slymen DJ (see Pratt et al). 1987;113:1-7
- Smeal WE, Dianzumba SB, Joyner EC. Evaluation of pseudoneurysm of the left ventricle by echocardiography and pulsed Doppler. 1987;113:1508-10 (Brief comm.)
- Smith RT (see Moak et al). 1987;113:179-85 (Prog. cardiol.)
- Sniderman AD (see Thompson et al). 1987;113:514-7
- Snyder MS, Sos T, Levin AR, Engle MA. Transluminal angioplasty of a stenotic Potts shunt and pulmonary arterial branch stenosis. 1987;113:198-200 (Brief comm.)
- Soltys PA (see Getz et al). 1987;113:440-5
- Somberg JC. Antiarrhythmic drugs: making sense of the deluge. 1987;113:408-13 (Editorial)
- (see Keefe et al). 1987;113:218-25 (Editorial)
- (see Miura et al). 1987;113:65-9
- Sos T (see Snyder et al). 1987;113:198-200 (Brief comm.)
- Soto B (see Saenz et al). 1987;113:84-9
- Spady DK (see Meddings et al). 1987;113:475-81
- Stack RS, Ramage JE, Bauman RP, Rembert JC, Phillips HR, Kisslo JA. Validation of in vivo two-dimensional echocardiographic dimension measurements using myocardial mass estimates in dogs. 1987;113:725-31
- Stampfer MJ (see Kannel et al). 1987;113:370-6 (Prog. cardiol.)
- Stasberg B (see Sciarovsky et al). 1987;113:1085-90
- Stauch M (see Haerer et al). 1987;113:1536 (Letter)
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- Stein PD (see Sabbah et al). 1987;113:885-90
- Steinberg D. Lipoproteins and atherosclerosis: some unanswered questions. 1987;113:624-30
- Stets G (see Klein et al). 1987;113:1011-7 (Prog. cardiol.)
- Stewart J (see Noel et al). 1987;113:395-7 (Brief comm.)
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- Stewart ME (see Bateman et al). 1987;113:977-83
- Stone CL (see Pratt et al). 1987;113:1-7
- Stratmann HG, Kennedy HL. Torsades de pointes associated with drugs and toxins: recognition and management. 1987;113:1470-81 (Curriculum cardiol.)
- Strauss HC (see Lederman et al). 1987;113:1365-8
- Strikwerda S (see Kramer et al). 1987;113:1038-40 (Brief comm.)
- Stullman WS, Hilliard GK. Unrecognized internal mammary artery stenosis treated by percutaneous angioplasty after coronary bypass surgery. 1987;113:393-5 (Brief comm.)
- Sugi K (see Katoh et al). 1987;113:941-52
- Sugimoto T (see Hirata et al). 1987;113:1463-9
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- Sumiyoshi T (see Saito et al). 1987;113:891-7
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## T

- Takahashi M (see Kondo et al). 1987;113:250-6  
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# **Apolipoprotein; see Lipoprotein**

# **Argon ion**

- Removal of atherosclerotic plaque using multiple short exposures of argon ion laser light (Kramer et al). 1987;113:1038-40 (Brief comm.)

# **Arrhythmia; see also Tachycardia**

- Arrhythmias and sudden death in mitral valve prolapse (Kligfield et al). 1987;113:1298-1307 (Symposium)
- Asymptomatic telephone ECG transmissions as an outpatient surveillance system of ventricular arrhythmias: relationship to quantitative ambulatory ECG recordings (Pratt et al). 1987;113:1-7
- Differential effects of reperfusion on incidence of ventricular arrhythmias and recovery of ventricular function at 4 days following coronary occlusion (Arnold et al). 1987;113:1055-65
- Effects of aortic valve replacement on blood pressure, neurohumoral regulation, and arrhythmias in patients with aortic stenosis (Schlapfer et al). 1987;113:1041-2 (Brief comm.)
- Effects of different paced heart rates on canine coronary occlusion and reperfusion arrhythmias (Lederman et al). 1987;113:1365-8
- Electrophysiology and antiarrhythmic efficacy of intravenous pirfenolone in patients with sustained ventricular tachyarrhythmias (Liem et al). 1987;113:1390-6
- Familial form of arrhythmogenic right ventricular dysplasia (Laurent et al). 1987;113:827-9 (Brief comm.)
- Occurrence of exercise-induced and spontaneous wide complex tachycardia during therapy with flecainide for complex ventricular arrhythmias: a probable proarrhythmic effect (Anastasiou-Nana et al). 1987;113:1071-7
- Ventricular arrhythmias in dilated cardiomyopathy: efficacy of amiodarone (Neri et al). 1987;113:707-15

# **Arterial streptokinase**

- Serum sickness-like illness and leukocytoclastic vasculitis following intracoronary arterial streptokinase (Noel et al). 1987;113:395-7 (Brief comm.)

# **Arteriography**

- The value of routine right heart catheterization in patients undergoing coronary arteriography (Shanes et al). 1987;113:1261-3 (Editorial)

# **Arteritis**

- Takayasu's arteritis and myocardial dysfunction (Schamroth et al). 1987;113:1240-3 (Brief comm.)

# **Artery; see Coronary artery; mammary artery**

# **Aspirin Myocardial Infarction Study**

- Serum lipids and lipoproteins after myocardial infarction: associations with cardiovascular mortality and experience in the Aspirin Myocardial Infarction Study (Frost et al). 1987;113:1356-64

# **Asystole**

- Asystole produced by the combination of amiodarone and digoxin (Klein et al). 1987;113:399-400 (Brief comm.)

# **Atherosclerosis**

- Associations of high-density lipoprotein subclasses and apolipoproteins with ischemic heart disease and coronary atherosclerosis (Miller). 1987;113:589-97
- Lipoprotein abnormalities in hypertriglyceridemia: significance in atherosclerosis (Eisenberg). 1987;113:555-61
- Lipoproteins and atherosclerosis: some unanswered questions (Steinberg). 1987;113:626-32
- Removal of atherosclerotic plaque using multiple short exposures of argon ion laser light (Kramer et al). 1987;113:1038-40 (Brief comm.)
- Review of angiographic studies on treatment of atherosclerotic vascular disease (Olsson). 1987;113:607-14
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**Atresia**

Echocardiographic identification of aortic atresia with ventricular septal defect, normal left ventricle and mitral valve (Marino et al). 1987;113:1521-4 (Brief comm.)

**Atrioventricular (AV) block**

Atropine resistant post infarction complete AV block: possible role of adenosine and improvement with aminophylline (Shah et al). 1987;113:194-5 (Brief comm.)

Differential diagnosis of sinus node dysfunction vs advanced atrioventricular block by analysis of venous flow patterns in patients with ventricular pacemakers (Yamagishi et al). 1987;113:1243-5 (Brief comm.)

High degree atrioventricular block in a marathoner with 5-year follow-up (DiNardo-Ekery and Abedin). 1987;113:834-7 (Brief comm.)

Pacing in children and young adults with nonsurgical atrioventricular block: comparison of single-rate ventricular and dual-chamber models (Karpawich et al). 1987;113:316-21

Rapid autonomic tone regulation of atrioventricular nodal conduction in man (Butrous et al). 1987;113:934-40

**Atrium**

Analysis of high-resolution atrial activation: report on 403 cases (Baciaro et al). 1987;113:307-15

Atrial septal aneurysms in infants and children (Wolf et al). 1987;113:1149-52

Doppler measurement of left atrial depressurization and mitral valve area in patients with suspected mitral stenosis: validation of a new method (Pearlman and Gibson). 1987;113:868-73

Echocardiographic detection of dynamic intracavitary echoes and right atrial thrombus (Vargas-Barron et al). 1987;113:829-31 (Brief comm.)

Electrical ablation of atrial muscle. I. Early and late anatomic observations in canine atria (Moak et al). 1987;113:1397-1403

Electrical ablation of atrial muscle. II. Early and late electrophysiologic observations in canine atria (Moak et al). 1987;113:1404-13

False division of the left atrium by a redundant, mobile flap valve of the foramen ovale: echocardiographic and anatomic assessment in a neonate with critical pulmonic stenosis (Casta et al). 1987;113:1032-6 (Brief comm.)

Increase of human atrial natriuretic polypeptide in response to cardiac pacing (Obata et al). 1987;113:845-7 (Brief comm.)

A rare right atrial tumor presenting with cyanosis in a newborn (Villafane et al). 1987;113:1036-8 (Brief comm.)

The role of atrial pressure in secreting atrial natriuretic polypeptides (Matsubara et al). 1987;113:1457-62

**Atropine**

Atropine resistant post infarction complete AV block: possible role of adenosine and improvement with aminophylline (Shah et al). 1987;113:194-5 (Brief comm.)

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**B****Ballet dancers**

Echocardiographic mitral valve prolapse in ballet dancers: a function of leanness (Cohen et al). 1987;113:341-4

**Balloon counterpulsation**

Intravenous streptokinase and percutaneous intra-aortic balloon counterpulsation used concomitantly (Habbab et al). 1987;113:205-7 (Brief comm.)

**Balloon valvuloplasty**

Catheter rupture during balloon valvuloplasty (Weinhaus and Lababidi). 1987;113:1035 (Brief comm.)

**Bayesian analysis**

Prediction of 1-year outcome after complicated and uncomplicated myocardial infarction: Bayesian analysis of predischARGE exercise test results in 300 patients (Deckers et al). 1987;113:90-5

**Beads**

Treatment of adverse digitalis effects by hemoperfusion through columns with antidigoxin antibodies bound to agarose polyacrolein microsphere beads (Savin et al). 1987;113:1078-84

**Beta-adrenergic blocker**

Acute myocardial infarction in post infarct patient possibly through beta blocker-induced coronary artery spasm (Nanas et al). 1987;113:388-91 (Brief comm.)

Beta-blockers: an effective treatment in congenital coronary fistulas to main pulmonary trunk in adults (Schutzenberger et al). 1987;113:1519-21 (Brief comm.)

Clinical differences between beta-adrenergic blocking agents: implications for therapeutic substitution (Frishman). 1987;113:1190-8 (Curriculum cardi.)

Effects of beta blockade on systolic and diastolic left ventricular function at rest and during exercise in patients with chronic stable angina pectoris (Iskandrian et al). 1987;113:791-8 (Curriculum cardi.)

Influence of beta<sub>2</sub>-adrenoceptor stimulation and blockade on cardiac electrophysiologic properties and serum potassium concentration in the anesthetized dog (Hohnloser et al). 1987;113:1066-70

**Biogenesis**

Nutrition and biogenesis of plasma lipoproteins in nonhuman primates (Getz et al). 1987;113:440-45

Proapolipoprotein-converting enzymes and high-density lipoprotein early events in biogenesis (Scanu). 1987;113:527-32

**Biopsy**

Clinical, histochemical, and ultrastructural correlation in septal endomyocardial biopsies from chronic chagasic patients: detection of early myocardial damage (Guerra et al). 1987;113:716-24

**Bleeding**

Experimental evaluation of technetium-99m red blood cell radionuclide ventriculography for detecting pericardial bleeding (Bateman et al). 1987;113:977-83

Rupture of a coronary artery and hemorrhage into the ventricular cavity during coronary angioplasty (Cherry and Vandormael). 1987;113:386-8 (Brief comm.)

**Block; see Atrioventricular block; Hisian block****Blockade; see Beta-adrenergic blocker****Blood flow**

Anocod decreases the frequency of cyclic flow variations and causes thrombolysis following acute coronary thrombosis (Apprill et al). 1987;113:898-906

Myocardial metabolism and coronary sinus blood flow during coronary artery surgery: effects of nitroprusside and nifedipine (van Wezel et al). 1987;113:266-73

Peak aortic blood acceleration reflects the extent of left ventricular ischemic mass at risk (Sabbah et al). 1987;113:885-90

Relation between graded, subcritical impairments of coronary flow reserve and regional myocardial dysfunction induced by isoproterenol infusion in dogs (Mancini et al). 1987;113:906-16

**Blood pressure; see also Hypertension**

The association between cardiovascular response tasks and future blood pressure levels in children: Bogalusa Heart Study (Parker et al). 1987;113:1174-9

Correlates of resting and maximal exercise systolic blood pressure after repair of coarctation of the aorta: a multivariable analysis (Daniels et al). 1987;113:349-53

Effects of aortic valve replacement on blood pressure, neurohumoral regulation, and arrhythmias in patients with aortic stenosis (Schlapfer et al). 1987;113:1041-2 (Brief comm.)

Relationship between age, body size, gender, and blood pressure and Doppler flow measurements in the aorta and pulmonary artery (Gardin et al). 1987;113:101-9

**Body size**

Relationship between age, body size, gender, and blood pressure and Doppler flow measurements in the aorta and pulmonary artery (Gardin et al). 1987;113:101-9

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**BTS 49465**

Hemodynamic effects of BTS 49465, a new long-acting systemic vasodilator drug, in patients with severe congestive heart failure (Kessler and Packer). 1987;113:137-43

**Bypass**

Acute ischemia as a contributing factor in torsade de pointes: treatment by coronary artery bypass grafting (Lindpaintner and Kienzie). 1987;113:1026-7 (Brief comm.)

# Bypass—Cont'd

- Coronary artery bypass surgery and coronary angiography in the United States, 1979-1983 (Gillum). 1987;113:1255-60 (Editorial)
- Guillain-Barré syndrome following coronary artery bypass surgery (Renlund et al). 1987;113:844-5 (Brief comm.)
- The localization of bypass tracts in the Wolff-Parkinson-White syndrome from the surface electrocardiogram (Reddy and Schamroth). 1987;113:984-93 (Curriculum cardi.)
- The role of radionuclide cardiac imaging in coronary artery bypass surgery (Iskandrian et al). 1987;113:163-70 (Curriculum cardi.)
- Saphenous vein aneurysms after aortocoronary bypass grafting: postoperative interval and hyperlipidemia as determining factors (Teja et al). 1987;113:1527-9 (Brief comm.)
- Saphenous vein coronary bypass graft revisited (Enright et al). 1987;113:360-9 (Curriculum cardi.)
- Unrecognized internal mammary artery stenosis treated by percutaneous angioplasty after coronary bypass surgery (Stullman and Hilliard). 1987;113:393-5 (Brief comm.)

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## Candida infection

- Echocardiographic diagnosis of Candida mass of the right atrium in a premature infant (Heydarian et al). 1987;113:402-4 (Brief comm.)

## Carbon dioxide fiberoptic laser

- Carbon dioxide fiberoptic laser for treatment of coarctation of aorta (Zeevi et al). 1987;113:1518-9 (Brief comm.)

## Carcinoma

- Right ventricular obstruction from cervical carcinoma: a rare, single metastatic site (Schaefer et al). 1987;113:397-9 (Brief comm.)

## Cardiac cycle

- How much does aortic and pulmonary artery area vary during the cardiac cycle? (Loeber et al). 1987;113:95-100

## Cardiac mapping

- Mechanisms of ventricular tachycardia termination and acceleration during transvenous cardioversion as determined by cardiac mapping in man (Saksena et al). 1987;113:1495-1506 (Prog. cardi.)

## Cardiomyopathy

- Hemodynamic effects of hydralazine in infants with idiopathic dilated cardiomyopathy and congestive heart failure (Artman et al). 1987;113:144-50
- An integrated mechanism for systolic anterior motion of the mitral valve in hypertrophic cardiomyopathy based on echocardiographic observations (Jiang et al). 1987;113:633-44
- Left ventricular ejection dynamics in hypertrophic cardiomyopathy and aortic stenosis: comparison with the use of Doppler echocardiography (Cogswell et al). 1987;113:110-6
- Response of the left ventricle in idiopathic dilated cardiomyopathy to postextrasystolic potentiation (Yamazoe). 1987;113:1449-56
- Segmental wall motion abnormalities in dilated cardiomyopathy: hemodynamic characteristics and comparisons with thallium-201 myocardial scintigraphy (Yamaguchi et al). 1987;113:1123-8
- Thrombosed aorta resulting in spinal cord ischemia and paraplegia in ischemic cardiomyopathy (Kocher et al). 1987;113:1510-13 (Brief comm.)
- Ventricular arrhythmias in dilated cardiomyopathy: efficacy of amiodarone (Neri et al). 1987;113:707-15

## Cardiopulmonary resuscitation

- Successful cardiopulmonary resuscitation in a patient with rare sinus node artery anomaly (Shalev et al). 1987;113:820-2 (Brief comm.)

## Cardioversion

- Mechanisms of ventricular tachycardia termination and acceleration during transvenous cardioversion as determined by cardiac mapping in man (Saksena et al). 1987;113:1495-1506 (Prog. cardi.)

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- The degree of increment in plasma catecholamines in patients with mitral stenosis by mild exercise (Ikeda et al). 1987;113:1103-7
- The interplay between endogenous catecholamines and induced ventricular tachycardia during electrophysiologic testing (Morady et al). 1987;113:227-33

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- Catheter rupture during balloon valvuloplasty (Weinhaus and Lababidi). 1987;113:1035 (Brief comm.)
- Coaxial laser energy delivery using a steerable catheter in canine coronary arteries (Anderson et al). 1987;113:37-48
- Thrombosed prosthetic valve after catheter ablation for ventricular tachycardia (Oda et al). 1987;113:1513-6 (Brief comm.)
- The value of routine right heart catheterization in patients undergoing coronary arteriography (Shanes et al). 1987;113:1261-3 (Editorial)

## Cell

- Effects of flecainide on the cellular electrophysiology of neonatal and adult cardiac fibers (Yabek et al). 1987;113:70-6

## Cerebral ischemia

- Cerebral ischemia with mitral valve prolapse (Wolf and Sila). 1987;113:1308-15 (Symposium)

## Cervical carcinoma

- Right ventricular obstruction from cervical carcinoma: a rare, single metastatic site (Schaefer et al). 1987;113:397-9 (Brief comm.)

## CGS 13080

- Thromboxane synthetase inhibition with CGS 13080 improves coronary blood flow after streptokinase-induced thrombolysis (Mickelson et al). 1987;113:1345-52

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- Clinical, histochemical, and ultrastructural correlation in septal endomyocardial biopsies from chronic chagasic patients: detection of early myocardial damage (Guerra et al). 1987;113:716-24

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- Chest pain during PTCA: unprovoked spasm of the contralateral coronary artery (Brinker et al). 1987;113:1020-4 (Brief comm.)

## Chest trauma

- Chest trauma: evaluation by two-dimensional echocardiography (Reid et al). 1987;113:971-6

## Child; see also Infant; Neonate

- The association between cardiovascular response tasks and future blood pressure levels in children: Bogalusa Heart Study (Parker et al). 1987;113:1174-9
- Atrial septal aneurysms in infants and children (Wolf et al). 1987;113:1149-52
- Guidelines for vasodilator therapy of congestive heart failure in infants and children (Artman and Graham). 1987;113:994-1005 (Curriculum cardi.)
- Newer antiarrhythmic drugs in children (Moak et al). 1987;113:179-85 (Prog. cardi.)
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- Postoperative hypertension after repair of coarctation of aorta in children: protective effect of propranolol? (Leenen et al). 1987;113:1164-73
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- Socioeconomic status, ethnic origin, and risk factors for coronary heart disease in children (Walter and Hofman). 1987;113:812-8 (Prog. cardi.)

## Cholesterol

- Dietary determinants of plasma high-density lipoprotein cholesterol (Pietinen and Huttunen). 1987;113:620-25
- Enhanced cholesterol elimination and synthesis related to low-density lipoprotein metabolism (Miettinen et al). 1987;113:487-93
- Increased platelet release reaction in 50-year-old man with essential hypertension: correlation with atherogenic cholesterol fractions (Kjeldsen et al). 1987;113:151-5
- Intensive drug therapy of hypercholesterolemia (Witztum). 1987;113:603-9
- Regulation of plasma cholesterol by hepatic low-density lipoprotein receptors (Kovanen). 1987;113:464-9

## Cholesteryl esters

- Factors affecting the rate of catalyzed transfer of cholesteryl esters in plasma (Fielding). 1987;113:532-7

## Chordal insertion

- Abnormal chordal insertion: a cause of mitral valve prolapse (Virmani et al). 1987;113:851-8



**Cigarette smoking**

Fibrinogen, cigarette smoking, and risk of cardiovascular disease: insights from the Framingham Study (Kannel et al). 1987;113:1006-10 (Prog. cardiol.)

**Cineangiography**

Quantitative validation of cineangiographic biplane axial oblique right ventricular volume measurement (Pietras et al). 1987;113:321-5

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Adverse effects of circumflex coronary artery occlusion on blood flow to remote myocardium supplied by a stenosed left anterior descending coronary artery in anesthetized open-chest dogs (Gascho and Beller). 1987;113:679-83

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Aneurysm of the ascending aorta associated with sternal cleft, cutaneous hemangioma, and occlusion of the right innominate artery in a neonate (Schieken et al). 1987;113:202-4 (Brief comm.)

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**Coarctation of aorta**

Carbon dioxide fiberoptic laser for treatment of coarctation of aorta (Zeevi et al). 1987;113:1518-9 (Brief comm.)

Correlates of resting and maximal exercise systolic blood pressure after repair of coarctation of the aorta: a multivariable analysis (Daniels et al). 1987;113:349-53

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Detection of coronary artery disease with N-ammonia and high-resolution positron-emission computed tomography (Yonekura et al). 1987;113:645-54

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Ambulatory electrocardiography and computer technology: practical advantages (Kennedy and Ratcliff). 1987;113:186-93 (Prog. cardiol.)

Computer-assisted individualized lidocaine dosage: clinical evaluation and comparison with physician performance (Vozeh et al). 1987;113:928-33

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Rapid autonomic tone regulation of atrioventricular nodal conduction in man (Butrous et al). 1987;113:934-40

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Congenital absence of the noncoronary aortic cusp (Issenberg et al). 1987;113:400-2 (Brief comm.)

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The etiologic spectrum of constrictive pericarditis (Cameron et al). 1987;113:354-60 (Curriculum cardiol.)

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Acute ischemia as a contributing factor in torsade de pointes: treatment by coronary artery bypass grafting (Lindpaintner and Kienzle). 1987;113:1026-7 (Brief comm.)

Acute myocardial infarction in post infarct patient possibly through beta blocker-induced coronary artery spasm (Nanas et al). 1987;113:388-91 (Brief comm.)

Adverse effects of circumflex coronary artery occlusion on blood flow to remote myocardium supplied by a stenosed left anterior descending coronary artery in anesthetized open-chest dogs (Gascho and Beller). 1987;113:679-83

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**Coronary artery—Cont'd**

Chest pain during PTCA: unprovoked spasm of the contralateral coronary artery (Brinker et al). 1987;113:1020-4 (Brief comm.)

Comparison of electrocardiography and thallium-201 myocardial scintigraphy for the detection of ergonovine-induced coronary artery spasm: angiographic correlation (Shanes et al). 1987;113:663-71

Coronary artery bypass surgery and coronary angiography in the United States, 1979-1983 (Gillum). 1987;113:1255-60 (Editorial)

Coronary artery spasm during hydrocortisone-induced allergic reactions (Egashira et al). 1987;113:1516-8 (Brief comm.)

Coronary collateral circulation in the form of a coronary artery-to-coronary artery fistula (Vlay). 1987;113:1222-4 (Brief comm.)

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Free ventricular wall rupture in acute myocardial infarction with normal coronary arteries (Trigano et al). 1987;113:1027-9 (Brief comm.)

Guillain-Barré syndrome following coronary artery bypass surgery (Renlund et al). 1987;113:844-5 (Brief comm.)

Left ventricular wall motion at rest in patients with organic coronary artery disease vs coronary spasm (Matsuda et al). 1987;113:684-7

Long-term follow-up of coronary artery occlusion secondary to blunt chest trauma (Kahn and Buda). 1987;113:207-10 (Brief comm.)

Morphology of occlusive coronary lesions during acute myocardial infarction: an angiographic and clinical analysis (Saenz et al). 1987;113:84-9

Multivessel coronary artery spasm causing myocardial infarction and postinfarction angina (Hamada et al). 1987;113:1024-6 (Brief comm.)

Myocardial metabolism and coronary sinus blood flow during coronary artery surgery: effects of nitroprusside and nifedipine (van Wezel et al). 1987;113:266-73

Relationship of intermediate and low-density lipoprotein sub-species to risk of coronary artery disease (Krauss). 1987;113:578-82

Reperfusion with streptokinase of an occluded right coronary artery: effects on early and late right and left ventricular ejection fraction (Braat et al). 1987;113:257-60

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Rupture of a coronary artery and hemorrhage into the ventricular cavity during coronary angioplasty (Cherry and Vandormael). 1987;113:386-8 (Brief comm.)

Serum sickness-like illness and leukocytoclastic vasculitis following intracoronary arterial streptokinase (Noel et al). 1987;113:395-7 (Brief comm.)

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Uncomplicated non-Q wave infarction caused by total obstruction of the left main coronary artery (Waters et al). 1987;113:1224-6 (Brief comm.)

The value of routine right heart catheterization in patients undergoing coronary arteriography (Shanes et al). 1987;113:1261-3 (Editorial)

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Intravenous streptokinase and percutaneous intra-aortic balloon counterpulsation used concomitantly (Habbab et al). 1987;113:205-7 (Brief comm.)

## Countershock

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## Cusp

Congenital absence of the noncoronary aortic cusp (Isenberg et al). 1987;113:400-2 (Brief comm.)

## Cutaneous hemangioma

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## Cyclic flow

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The substrate and the trigger: the role of myocardial vulnerability in sudden cardiac death (Keefe et al). 1987;113:218-25 (Editorial)

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### Defibrillation

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## Digitalis

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Doppler echocardiographic observations of pulmonary and transvalvular velocity changes after birth and during the early neonatal period (Wilson et al). 1987;113:750-9

Doppler measurement of left atrial depressurization and mitral valve area in patients with suspected mitral stenosis: validation of a new method (Pearlman and Gibson). 1987;113: 868-73

Doppler predictions of pulmonary artery pressure, flow, and resistance in adults (Graettinger et al). 1987;113:1426-36

Evaluation of pseudoaneurysm of the left ventricle by echocardiography and pulsed Doppler (Smeal et al). 1987;113: 1508-10 (Brief comm.)

Left ventricular ejection dynamics in hypertrophic cardiomyopathy and aortic stenosis: comparison with the use of Doppler echocardiography (Cogswell et al). 1987;113:110-6

A pulsed Doppler echocardiographic study of the postnatal changes in pulmonary artery and ascending aortic flow in normal term newborn infants (Takenaka et al). 1987;113: 759-66

Relationship between age, body size, gender, and blood pressure and Doppler flow measurements in the aorta and pulmonary artery (Gardin et al). 1987;113:101-9

A simplified mitral valve method for two-dimensional echo Doppler blood flow calculation: validation in an open-chest canine model and initial clinical studies (Meijboom et al). 1987;113:335-40

Two-dimensional and pulsed Doppler echocardiography in anomalous origin of the left coronary artery from the pulmonary artery: pre and postoperative studies (Diamant et al). 1987;113:195-8 (Brief comm.)

## Drug

Torsades de pointes associated with drugs and toxins: recognition and management (Stratmann and Kennedy). 1987; 113:1470-81 (Curriculum cardiol.)

## Dual-chamber pacing

Comparative survival following permanent ventricular and dual-chamber pacing for patients with chronic symptomatic sinus node dysfunction with and without congestive heart failure (Alpert et al). 1987;113:958-65

**Dual-chamber pacing—Cont'd**

Pacing in children and young adults with nonsurgical atrioventricular block: comparison of single-rate ventricular and dual-chamber models (Karpawich et al). 1987;113:316-21

**Dysplasia**

ECG-gated magnetic resonance imaging in right ventricular dysplasia (Casolo et al). 1987;113:1245-8 (Brief comm.)

Familial form of arrhythmogenic right ventricular dysplasia (Laurent et al). 1987;113:827-9 (Brief comm.)

**Dystrophy**

Myotonic dystrophy: ambulatory electrocardiogram, electrophysiologic study and echocardiographic evaluation (Hiro-masa et al). 1987;113:1482-8 (Curriculum cardiol.)

**E****Echocardiography**

Accuracy of subcostal two-dimensional echocardiography in prospective diagnosis of total anomalous pulmonary venous connection (Chin et al). 1987;113:1153-9

Aortic valve vegetations: examples of overestimation and underestimation of disease by two-dimensional echocardiography (Kinney and Wright). 1987;113:1248-50 (Brief comm.)

Assessment of diastolic function in normal and hypertrophied hearts: comparison of Doppler echocardiography and M-mode echocardiography (Pearson et al). 1987;113:1417-25

Assessment of left ventricular diastolic filling by two-dimensional echocardiography (Zoghbi et al). 1987;113:1108-13

Chest trauma: evaluation by two-dimensional echocardiography (Reid et al). 1987;113:971-6

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Doppler echocardiographic observations of pulmonary and transvalvular velocity changes after birth and during the early neonatal period (Wilson et al). 1987;113:750-9

Echocardiographic detection of dynamic intracavitary echoes and right atrial thrombus (Vargas-Barron et al). 1987;113:829-31 (Brief comm.)

Echocardiographic diagnosis of *Candida* mass of the right atrium in a premature infant (Heydarian et al). 1987;113:402-4 (Brief comm.)

Echocardiographic diagnosis of an infected myxoma in an atypical location (Bough et al). 1987;113:1031-2 (Brief comm.)

Echocardiographic diagnosis of intrapericardial teratoma in infancy (Seguin et al). 1987;113:1239-40 (Brief comm.)

Echocardiographic identification of aortic atresia with ventricular septal defect, normal left ventricle and mitral valve (Marino et al). 1987;113:1521-4 (Brief comm.)

Echocardiographic mitral valve prolapse in ballet dancers: a function of leanness (Cohen et al). 1987;113:341-4

Evaluation of pseudoaneurysm of the left ventricle by echocardiography and pulsed Doppler (Smeal et al). 1987;113:1508-10 (Brief comm.)

Factors predisposing to false negative M-mode echocardiograms in patients with two-dimensional echocardiographic criteria for mitral valve prolapse (Alpert et al). 1987;113:1250-2 (Brief comm.)

False division of the left atrium by a redundant, mobile flap valve of the foramen ovale: echocardiographic and anatomic assessment in a neonate with critical pulmonic stenosis (Casta et al). 1987;113:1032-6 (Brief comm.)

An integrated mechanism for systolic anterior motion of the mitral valve in hypertrophic cardiomyopathy based on echocardiographic observations (Jiang et al). 1987;113:633-44

Left ventricular ejection dynamics in hypertrophic cardiomyopathy and aortic stenosis: comparison with the use of Doppler echocardiography (Cogswell et al). 1987;113:110-6

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Preoperative localization of an intracardiac foreign body by two-dimensional echocardiography (Fyfe et al). 1987;113:210-2 (Brief comm.)

Preoperative two-dimensional echocardiographic prediction of prosthetic aortic and mitral valve size in children (Caldwell et al). 1987;113:873-8

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Severe tricuspid valve regurgitation caused by transvenous pacemaker: echocardiographic diagnosis (Muhler and von Bernuth). 1987;113:1029-31 (Brief comm.)

A simplified mitral valve method for two-dimensional echo Doppler blood flow calculation: validation in an open-chest canine model and initial clinical studies (Meijboom et al). 1987;113:335-40

Two-dimensional echocardiographic features of pulmonary artery vegetation (Chia et al). 1987;113:833-4 (Brief comm.)

Two-dimensional echocardiographic mitral valve prolapse: evidence for a relationship of echocardiographic morphology to clinical findings and to mitral annular size (Cohen). 1987;113:859-68

Two-dimensional and pulsed Doppler echocardiography in anomalous origin of the left coronary artery from the pulmonary artery: pre and postoperative studies (Diamant et al). 1987;113:195-8 (Brief comm.)

Validation of in vivo two-dimensional echocardiographic dimension measurements using myocardial mass estimates in dogs (Stack et al). 1987;113:725-31

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Reperfusion with streptokinase of an occluded right coronary artery: effects on early and late right and left ventricular ejection fraction (Braat et al). 1987;113:257-60

**Electrical ablation**

Electrical ablation of atrial muscle. I. Early and late anatomic observations in canine atria (Moak et al). 1987;113:1397-1403

Electrical ablation of atrial muscle. II. Early and late electrophysiologic observations in canine atria (Moak et al). 1987;113:1404-13

**Electrical stimulation**

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**Electrocardiography**

Ambulatory electrocardiography and computer technology: practical advantages (Kennedy and Ratcliff). 1987;113:186-93 (Prog. cardiol.)

Asymptomatic telephone ECG transmissions as an outpatient surveillance system of ventricular arrhythmias: relationship to quantitative ambulatory ECG recordings (Pratt et al). 1987;113:1-7

Consecutive ST segment depression and elevation in the same electrocardiographic leads during an asymptomatic exercise treadmill test (Nevin et al). 1987;113:822-5 (Brief comm.)

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The electrocardiogram in prediction of sudden death: Framingham Study experience (Kreger et al). 1987;113:377-82 (Prog. cardiol.)

Ischemic ST segment depression in leads V<sub>2</sub>-V<sub>3</sub> as the presenting electrocardiographic feature of posterolateral wall myocardial infarction (Sclarovsky et al). 1987;113:1085-90

The localization of bypass tracts in the Wolff-Parkinson-White syndrome from the surface electrocardiogram (Reddy and Schamroth). 1987;113:984-93 (Curriculum cardiol.)

Myotonic dystrophy: ambulatory electrocardiogram, electrophysiologic study and echocardiographic evaluation (Hiro-masa et al). 1987;113:1482-8 (Curriculum cardiol.)

Nonspecific electrocardiographic abnormality as a predictor of coronary heart disease: the Framingham Study (Kannel et al). 1987;113:370-6 (Prog. cardiol.)



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### Embolus

- Review of echocardiographically diagnosed right heart entrapment of pulmonary emboli-in-transit with emphasis on management (Shechter et al). 1987;113:171-8 (Curriculum cardi.)  
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### Endomyocardial biopsy

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### Entrapment

- Review of echocardiographically diagnosed right heart entrapment of pulmonary emboli-in-transit with emphasis on management (Shechter et al). 1987;113:171-8 (Curriculum cardi.)

### Enzyme

- Proapolipoprotein-converting enzymes and high-density lipoprotein early events in biogenesis (Scanu). 1987;113:527-32

### Ergonovine

- Comparison of electrocardiography and thallium-201 myocardial scintigraphy for the detection of ergonovine-induced coronary artery spasm: angiographic correlation (Shanes et al). 1987;113:663-71

### Ethnic origin

- Socioeconomic status, ethnic origin, and risk factors for coronary heart disease in children (Walter and Hofman). 1987;113:812-8 (Prog. cardi.)

### Exercise

- Aerobic responses to low level exercise testing following an acute myocardial infarction (Hossack et al). 1987;113:694-9  
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Correlates of resting and maximal exercise systolic blood pressure after repair of coarctation of the aorta: a multivariable analysis (Daniels et al). 1987;113:349-53  
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Effects of exercise tolerance, age, and gender on the specificity of radionuclide angiography: sequential ejection fraction analysis during multistage exercise (Kuo et al). 1987;113:1180-9 (Curriculum cardi.)  
Exercise tolerance testing in symptomatic and asymptomatic complete intra-His block (Trohman et al). 1987;113:1252-4 (Brief comm.)  
Improved left ventricular performance during exercise with verapamil or nifedipine in patients with chronic stable angina (Gill et al). 1987;113:700-7

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- The influence of age and gender on left ventricular response to supine exercise in asymptomatic normal subjects (Adams et al). 1987;113:732-42  
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### Extrahepatic cells

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### Fatty acids

- Serum lipids and fatty acids in ischemic strokes (Tilvis et al). 1987;113:615-9

### Fetus

- Doppler echocardiographic observations of pulmonary and transvalvular velocity changes after birth and during the early neonatal period (Wilson et al). 1987;113:750-9

### Fiber

- Effects of flecainide on the cellular electrophysiology of neonatal and adult cardiac fibers (Yabek et al). 1987;113:70-6

### Fiberoptic laser

- Carbon dioxide fiberoptic laser for treatment of coarctation of aorta (Zeevi et al). 1987;113:1518-9 (Brief comm.)

### Fibrillation

- Spontaneous termination from prolonged ventricular fibrillation (Ring and Huang). 1987;113:1226-8 (Brief comm.)

### Fibrinogen

- Fibrinogen, cigarette smoking, and risk of cardiovascular disease: insights from the Framingham Study (Kannel et al). 1987;113:1006-10 (Prog. cardi.)

### Fibrinopeptide A

- Association between time of increased fibrinopeptide A levels in plasma and episodes of spontaneous angina: a controlled prospective study (Neri Serneri et al). 1987;113:672-8

### Fistula

- Beta-blockers: an effective treatment in congenital coronary fistulas to main pulmonary trunk in adults (Schutzenberger et al). 1987;113:1519-21 (Brief comm.)  
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### Flecainide

- Effects of flecainide on the cellular electrophysiology of neonatal and adult cardiac fibers (Yabek et al). 1987;113:70-6  
Occurrence of exercise-induced and spontaneous wide complex tachycardia during therapy with flecainide for complex ventricular arrhythmias: a probable proarrhythmic effect (Anastasiou-Nana et al). 1987;113:1071-7  
Transient giant inverted T waves during flecainide intoxication (Crijns et al). 1987;113:214-5 (Brief comm.)

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### Foreign body

- Preoperative localization of an intracardiac foreign body by two-dimensional echocardiography (Fyfe et al). 1987;113:210-2 (Brief comm.)

### Forum

- Forum. 1987;113:1532-9

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- Ischemic myocardial dysfunction assessed by temporal Fourier transform of regional myocardial wall thickening (Heusch et al). 1987;113:116-24

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- The electrocardiogram in prediction of sudden death: Framingham Study experience (Kreger et al). 1987;113:377-82 (Prog. cardiol.)
- Fibrinogen, cigarette smoking, and risk of cardiovascular disease: insights from the Framingham Study (Kannel et al). 1987;113:1006-10 (Prog. cardiol.)
- Heart rate and cardiovascular mortality: the Framingham Study (Kannel et al). 1987;113:1489-94 (Prog. cardiol.)
- Nonspecific electrocardiographic abnormality as a predictor of coronary heart disease: the Framingham Study (Kannel et al). 1987;113:370-6 (Prog. cardiol.)
- Sudden death risk in overt coronary heart disease: the Framingham Study (Kannel et al). 1987;113:799-804 (Prog. cardiol.)

**G****Gender**

- Effects of exercise tolerance, age, and gender on the specificity of radionuclide angiography: sequential ejection fraction analysis during multistage exercise (Kuo et al). 1987;113:1180-9 (Curriculum cardiol.)
- The influence of age and gender on left ventricular response to supine exercise in asymptomatic normal subjects (Adams et al). 1987;113:732-42
- Relationship between age, body size, gender, and blood pressure and Doppler flow measurements in the aorta and pulmonary artery (Gardin et al). 1987;113:101-9

**Genetics**

- Genetic regulation of apolipoproteins (Breslow). 1987;113:422-7

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- Glucose tolerance and insulin response to glucose in nondiabetic young male survivors of myocardial infarction (Hamsten et al). 1987;113:917-27

**Graft; see also Bypass**

- Acute ischemia as a contributing factor in torsade de pointes: treatment by coronary artery bypass grafting (Lindpaintner and Kienle). 1987;113:1026-7 (Brief comm.)
- Emergent internal mammary artery grafting following failed percutaneous transluminal coronary angioplasty: use of transluminal catheter reperfusion (Kereiakes et al). 1987;113:1018-20 (Brief comm.)
- Saphenous vein aneurysms after aortocoronary bypass grafting: postoperative interval and hyperlipidemia as determining factors (Teja et al). 1987;113:1527-9 (Brief comm.)
- Saphenous vein coronary bypass graft revisited (Enright et al). 1987;113:360-9 (Curriculum cardiol.)

**Guidewire**

- Disproportionate myocardial ischemia due to distant guidewire side branch positioning during percutaneous transluminal coronary angioplasty (Kern et al). 1987;113:1218-20 (Brief comm.)

**Guillain-Barré syndrome**

- Guillain-Barré syndrome following coronary artery bypass surgery (Renlund et al). 1987;113:844-5 (Brief comm.)

**H****Heart block**

- Progression of complete heart block to isolated infra-Hisian block following penetrating cardiac trauma (O'Byrne et al). 1987;113:839-42 (Brief comm.)

**Heart failure**

- An analysis of the determinants of exercise performance in congestive heart failure (Meiller et al). 1987;113:1207-17 (Prog. cardiol.)
- Comparative survival following permanent ventricular and dual-chamber pacing for patients with chronic symptomatic sinus node dysfunction with and without congestive heart failure (Alpert et al). 1987;113:958-65
- Guidelines for vasodilator therapy of congestive heart failure in infants and children (Artman and Graham). 1987;113:994-1005 (Curriculum cardiol.)
- Heart failure in the United States 1970-1985 (Gillum). 1987;113:1043-5 (Editorial)
- Hemodynamic effects of BTS 49465, a new long-acting systemic vasodilator drug, in patients with severe congestive heart failure (Kessler and Packer). 1987;113:137-43
- Hemodynamic effects of hydralazine in infants with idiopathic dilated cardiomyopathy and congestive heart failure (Artman et al). 1987;113:144-50

**Heart failure—Cont'd**

- Pericardial constraint in chronic heart failure (Boltwood et al). 1987;113:847-9 (Brief comm.)

- The value of mixed venous oxygen saturation as a therapeutic indicator in the treatment of advanced congestive heart failure (Hassan et al). 1987;113:743-9

**Heart rate**

- Heart rate and cardiovascular mortality: the Framingham Study (Kannel et al). 1987;113:1489-94 (Prog. cardiol.)

**Heart size**

- Cardiac size and motion during water immersion: implications for volume homeostasis (Kinney et al). 1987;113:345-9

**Hemangioma**

- Aneurysm of the ascending aorta associated with sternal cleft, cutaneous hemangioma, and occlusion of the right innominate artery in a neonate (Schieken et al). 1987;113:202-4 (Brief comm.)

**Hemochromatosis**

- Reversible cardiac dysfunction in hemochromatosis (Rivers et al). 1987;113:216-7 (Brief comm.)

**Hemodynamics**

- Comparison of late clinical status between patients with different hemodynamic findings after repair of tetralogy of Fallot (Chen and Moller). 1987;113:767-72

- The effect of digitalis on experimental myocardial infarct size and hemodynamics (Alker and Kloner). 1987;113:1353-5

- Effects of intravenous N-acetylprocainamide on hemodynamics and left ventricular function in man (Josephson et al). 1987;113:952-7

- Hemodynamic effects of BTS 49465, a new long-acting systemic vasodilator drug, in patients with severe congestive heart failure (Kessler and Packer). 1987;113:137-43

- Hemodynamic effects of hydralazine in infants with idiopathic dilated cardiomyopathy and congestive heart failure (Artman et al). 1987;113:144-50

- Myocardial ischemia during intravenous prostacyclin administration: hemodynamic findings and precautionary measures (Bugiardini et al). 1987;113:234-41

- Segmental wall motion abnormalities in dilated cardiomyopathy: hemodynamic characteristics and comparisons with thallium-201 myocardial scintigraphy (Yamaguchi et al). 1987;113:1123-8

- Systemic and coronary hemodynamic effects of combined intravenous diltiazem and nitroglycerin administration (Joyal et al). 1987;113:1376-82

**Hemolytic anemia**

- Hemolytic anemia and acute mitral regurgitation caused by a torn cusp of a porcine mitral prosthetic valve 7 years after its implantation (Schaefer et al). 1987;113:404-6 (Brief comm.)

**Hemoperfusion**

- Treatment of adverse digitalis effects by hemoperfusion through columns with antidigoxin antibodies bound to agarose polyacrolein microsphere beads (Stavin et al). 1987;113:1078-84

**Hemorrhage**

- Rupture of a coronary artery and hemorrhage into the ventricular cavity during coronary angioplasty (Cherry and Vandormael). 1987;113:386-8 (Brief comm.)

**Hepatic lipase; see also Liver**

- Mechanism of action of lipoprotein lipase and hepatic triglyceride lipase (Jackson et al). 1987;113:551-54

- Regulation of hepatic lipase and serum lipoproteins by sex steroids (Tikkanen and Nikkilä). 1987;113:562-7

**Hepatic receptors**

- Regulation of plasma cholesterol by hepatic low-density lipoprotein receptors (Kovanen). 1987;113:464-9

**Heterogeneity**

- Metabolic consequences of genetic heterogeneity of lipoprotein composition (lipoprotein heterogeneity) (Brunzell et al). 1987;113:583-8

- Metabolic heterogeneity in very low-density lipoproteins (Shepherd and Packard). 1987;113:503-8

**High-resolution atrial activation**

- Analysis of high-resolution atrial activation: report on 403 cases (Bacarello et al). 1987;113:307-15

**His block**

- Exercise tolerance testing in symptomatic and asymptomatic complete intra-His block (Trohman et al). 1987;113:1252-4 (Brief comm.)

- Latent intra-Hisian block provoked by a seizure (Gordon et al). 1987;113:837-9 (Brief comm.)



# **His block—Cont'd**

Progression of complete heart block to isolated infra-Hisian block following penetrating cardiac trauma (O'Byrne et al). 1987;113:839-42 (Brief comm.)

# **Holter monitoring**

Prevalence of late potentials in patients undergoing Holter monitoring (Denes et al). 1987;113:33-6

# **Homeostasis**

Cardiac size and motion during water immersion: implications for volume homeostasis (Kinney et al). 1987;113:345-9

# **Hydatid disease**

Cardiac hydatid disease with clinical features resembling tricuspid stenosis (Mancuso et al). 1987;113:1234-7 (Brief comm.)

# **Hydralazine**

Hemodynamic effects of hydralazine in infants with idiopathic dilated cardiomyopathy and congestive heart failure (Artman et al). 1987;113:144-50

# **Hydrocortisone**

Coronary artery spasm during hydrocortisone-induced allergic reactions (Egashira et al). 1987;113:1516-8 (Brief comm.)

# **Hydroxypropafenone**

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# **Hypercholesterolemia**

Intensive drug therapy of hypercholesterolemia (Witztum). 1987;113:603-9

Mechanisms of primary hypercholesterolemia in humans (Vega and Grundy). 1987;113:493-502

# **Hypercoagulability**

Association between time of increased fibrinogen levels in plasma and episodes of spontaneous angina: a controlled prospective study (Neri Serneri et al). 1987;113:672-8

# **Hyperlipidemia**

Ischemic heart disease in the WHHL rabbit: a model for myocardial injury in genetically hyperlipidemic animals (Hatanaka et al). 1987;113:280-8

Saphenous vein aneurysms after aortocoronary bypass grafting: postoperative interval and hyperlipidemia as determining factors (Teja et al). 1987;113:1527-9 (Brief comm.)

# **Hypertension**

Circulating atrial natriuretic polypeptide in essential hypertension (Kohn et al). 1987;113:1160-3

The effect of chronic pulmonary hypertension on left ventricular size, function, and interventricular septal motion (Jessup et al). 1987;113:1114-22

Increased platelet release reaction in 50-year-old man with essential hypertension: correlation with atherogenic cholesterol fractions (Kjeldsen et al). 1987;113:151-5

Increasing daytime vascular resistance with progressive hypertension in ambulant patients (Mehta et al). 1987;113:156-62

Nifedipine therapy of phenylpropanolamine-induced hypertension (Gibson et al). 1987;113:406-7 (Brief comm.)

Postoperative hypertension after repair of coarctation of aorta in children: protective effect of propranolol? (Leenen et al). 1987;113:1164-73

# **Hypertriglyceridemia**

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# **Hypertrophic cardiomyopathy**

An integrated mechanism for systolic anterior motion of the mitral valve in hypertrophic cardiomyopathy based on echocardiographic observations (Jiang et al). 1987;113:633-44

Left ventricular ejection dynamics in hypertrophic cardiomyopathy and aortic stenosis: comparison with the use of Doppler echocardiography (Cogswell et al). 1987;113:110-6

# **Hypertrophy**

Assessment of diastolic function in normal and hypertrophied hearts: comparison of Doppler echocardiography and M-mode echocardiography (Pearson et al). 1987;113:1417-25

## **I**

# **Imaging; see also Echocardiography; Magnetic resonance imaging; Thallium-201 imaging; Scintigraphy**

The role of radionuclide cardiac imaging in coronary artery bypass surgery (Iskandrian et al). 1987;113:163-70 (Curriculum cardiol.)

# **Immunochemistry**

The immunochemistry of apolipoprotein B (Schonfeld et al). 1987;113:452-7

# **Immunogenetics**

Immunogenetic polymorphism of apolipoprotein B in humans: studies with a monoclonal anti-Ag(c) antibody (Tikkanen). 1987;113:428-32

# **Implantation**

Hemolytic anemia and acute mitral regurgitation caused by a torn cusp of a porcine mitral prosthetic valve 7 years after its implantation (Schaefer et al). 1987;113:404-6 (Brief comm.)

# **Indecainide**

Antiarrhythmic effects of indecainide in a drug-resistant population with ventricular tachycardia at programmed electrical stimulation (Miura et al). 1987;113:65-9

# **Infant; see also Neonate**

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Echocardiographic diagnosis of Candida mass of the right atrium in a premature infant (Heydarian et al). 1987;113:402-4 (Brief comm.)

Echocardiographic diagnosis of intrapericardial teratoma in infancy (Seguin et al). 1987;113:1239-40 (Brief comm.)

Guidelines for vasodilator therapy of congestive heart failure in infants and children (Artman and Graham). 1987;113:994-1005 (Curriculum cardiol.)

Hemodynamic effects of hydralazine in infants with idiopathic dilated cardiomyopathy and congestive heart failure (Artman et al). 1987;113:144-50

Predictors of postoperative ventricular dysfunction in infants who have undergone primary repair of a ventricular septal defect (Cyran et al). 1987;113:1144-8

# **Infarction; see Myocardial infarction**

# **Infection**

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Mitral valve prolapse and infective endocarditis (MacMahon et al). 1987;113:1291-7 (Symposium)

# **Innominate artery**

Aneurysm of the ascending aorta associated with sternal cleft, cutaneous hemangioma, and occlusion of the right innominate artery in a neonate (Schieken et al). 1987;113:202-4 (Brief comm.)

# **Insulin**

Glucose tolerance and insulin response to glucose in nondiabetic young male survivors of myocardial infarction (Hamsten et al). 1987;113:917-27

# **Internal mammary artery**

Emergent internal mammary artery grafting following failed percutaneous transluminal coronary angioplasty: use of transluminal catheter reperfusion (Kereiakes et al). 1987;113:1018-20 (Brief comm.)

Unrecognized internal mammary artery stenosis treated by percutaneous angioplasty after coronary bypass surgery (Stullman and Hilliard). 1987;113:393-5 (Brief comm.)

# **Interventricular septal motion**

The effect of chronic pulmonary hypertension on left ventricular size, function, and interventricular septal motion (Jessup et al). 1987;113:1114-22

# **Intoxication**

Transient giant inverted T waves during flecainide intoxication (Crijns et al). 1987;113:214-5 (Brief comm.)

# **Intra-aortic balloon**

Intravenous streptokinase and percutaneous intra-aortic balloon counterpulsation used concomitantly (Habbab et al). 1987;113:205-7 (Brief comm.)

# **Intracardiac foreign body**

Preoperative localization of an intracardiac foreign body by two-dimensional echocardiography (Fyfe et al). 1987;113:210-2 (Brief comm.)

# **Intracavitary echoes**

Echocardiographic detection of dynamic intracavitary echoes and right atrial thrombus (Vargas-Barron et al). 1987;113:829-31 (Brief comm.)

# **Intracoronary arterial streptokinase**

Serum sickness-like illness and leukocytoclastic vasculitis following intracoronary arterial streptokinase (Noel et al). 1987;113:395-7 (Brief comm.)

# **Intrapericardial teratoma**

Echocardiographic diagnosis of intrapericardial teratoma in infancy (Seguin et al). 1987;113:1239-40 (Brief comm.)

**Intravenous administration**

Intravenous streptokinase and percutaneous intra-aortic balloon counterpulsation used concomitantly (Habbab et al). 1987;113:205-7 (Brief comm.)

Myocardial ischemia during intravenous prostacyclin administration: hemodynamic findings and precautionary measures (Bugiardini et al). 1987;113:234-41

**Irritability**

Does exogenous magnesium suppress myocardial irritability and tachyarrhythmias in the nondigitalized patient? (Zwerling) 1987;113:1046-53 (Editorial)

From irritable heart to mitral valve prolapse: systolic clicks, apical murmurs, and the auscultatory connection in the 19th century (Wooley). 1987;113:413-9 (Editorial)

**Ischemia; see also Occlusion**

Acute ischemia as a contributing factor in torsade de pointes: treatment by coronary artery bypass grafting (Lindpaintner and Kienzie). 1987;113:1026-7 (Brief comm.)

Associations of high-density lipoprotein subclasses and apolipoproteins with ischemic heart disease and coronary atherosclerosis (Miller). 1987;113:589-97

Cerebral ischemia with mitral valve prolapse (Wolf and Sila). 1987;113:1308-15 (Symposium)

Disproportionate myocardial ischemia due to distant guidewire side branch positioning during percutaneous transluminal coronary angioplasty (Kern et al). 1987;113:1218-20 (Brief comm.)

The effects of cytochrome C on the extent of myocardial infarction and regional function of the ischemic myocardium (Zalewski et al). 1987;113:124-9

False aneurysm of the aortic root: mimic of malignancy, mediator of myocardial ischemia (Rogers et al). 1987;113:1237-9 (Brief comm.)

Ischemic heart disease in the WHHL rabbit: a model for myocardial injury in genetically hyperlipidemic animals (Hatanaka et al). 1987;113:280-8

Ischemic myocardial dysfunction assessed by temporal Fourier transform of regional myocardial wall thickening (Heusch et al). 1987;113:116-24

Ischemic ST segment depression in leads V<sub>2</sub>-V<sub>3</sub> as the presenting electrocardiographic feature of posterolateral wall myocardial infarction (Sclarovsky et al). 1987;113:1085-90

Long-term prognosis of patients with acute myocardial infarction: is mortality and morbidity as low as the incidence of ischemic heart disease in Japan? (Saito et al) 1987;113:891-7

Myocardial ischemia during intravenous prostacyclin administration: hemodynamic findings and precautionary measures (Bugiardini et al). 1987;113:234-41

Peak aortic blood acceleration reflects the extent of left ventricular ischemic mass at risk (Sabbah et al). 1987;113:885-90

Prostacyclin protects ischemic reperfused myocardium in the dog by inhibition of neutrophil activation (Simpson et al). 1987;113:129-37

Serum lipids and fatty acids in ischemic strokes (Tilvis et al). 1987;113:615-9

Thrombosed aorta resulting in spinal cord ischemia and paraplegia in ischemic cardiomyopathy (Kocher et al). 1987;113:1510-13 (Brief comm.)

**Isoproterenol**

Relation between graded, subcritical impairments of coronary flow reserve and regional myocardial dysfunction induced by isoproterenol infusion in dogs (Mancini et al). 1987;113:906-16

**J****Japan**

Long-term prognosis of patients with acute myocardial infarction: is mortality and morbidity as low as the incidence of ischemic heart disease in Japan? (Saito et al) 1987;113:891-7

**K****Kidney**

Survival of patients with acute renal failure requiring dialysis after open heart surgery: early prognostic indicators (Lange et al). 1987;113:1138-43

**L****Laser**

Carbon dioxide fiberoptic laser for treatment of coarctation of aorta (Zeevi et al). 1987;113:1518-9 (Brief comm.)

Coaxial laser energy delivery using a steerable catheter in canine coronary arteries (Anderson et al). 1987;113:37-48

Coronary revascularization by a new coaxially-guided laser-heated metal cap system (Lee et al). 1987;113:1507-8 (Brief comm.)

Removal of atherosclerotic plaque using multiple short exposures of argon ion laser light (Kramer et al). 1987;113:1038-40 (Brief comm.)

**Late potentials**

Prevalence of late potentials in patients undergoing Holter monitoring (Denes et al). 1987;113:33-6

**Leads**

Angiographically demonstrated isolated acute right ventricular infarction presenting as ST elevation in leads V<sub>1</sub> to V<sub>3</sub> (de Marchena et al). 1987;113:391-3 (Brief comm.)

**Leaflet**

Dissection of the anterior mitral leaflet causing mitral regurgitation in aortic valve endocarditis (Pennestri et al). 1987;113:212-4 (Brief comm.)

**Left ventricle; see Ventricle****Letters**

Atrial natriuretic peptide in myocardial infarction (Uematsu et al) (Letter); (Rector and Cohn) (Letter reply). 1987;113:1532

Bepiridil in hypertrophic obstructive cardiomyopathy (Haerer et al) (Letter); (Singh) (Letter reply). 1987;113:1536

Comparison of non-Q and Q wave myocardial infarction (Przybojewski and Van Rensburg) (Letter); (Ogawa) (Letter reply). 1987;113:1532

Echocardiography in infective endocarditis (Come). 1987;113:1538

Echographic estimation of aortic stenosis (Bennett) (Letter); (Seitz) (Letter reply). 1987;113:1535

Jarvik artificial heart for spontaneous left main coronary dissection (Keon et al). 1987;113:1538

Prevention of hemodynamic collapse after relief of cardiac tamponade in aortic dissection (Aravot and Vidne). 1987;113:1537

Retraction (Mason). 1987;113:1539

Serum magnesium and mononuclear blood cell magnesium (Elin and Hosseini) (Letter); (Ryzen) (Letter reply). 1987;113:1534

Syndrome of paradoxical embolism (Zatuchni) (Letter); (Loscalzo) (Letter reply). 1987;113:1536

Wolff-Parkinson-White VCG patterns (Nadeau). 1987;113:1539

**Leukocytoclastic vasculitis**

Serum sickness-like illness and leukocytoclastic vasculitis following intracoronary arterial streptokinase (Noel et al). 1987;113:395-7 (Brief comm.)

**Lidocaine**

Computer-assisted individualized lidocaine dosage: clinical evaluation and comparison with physician performance (Vozeh et al). 1987;113:928-33

**Lipid**

In vitro studies of lipid metabolism in human liver (Angelin et al). 1987;113:482-7

Ischemic heart disease in the WHHL rabbit: a model for myocardial injury in genetically hyperlipidemic animals (Hatanaka et al). 1987;113:280-8

Saphenous vein aneurysms after aortocoronary bypass grafting: postoperative interval and hyperlipidemia as determining factors (Teja et al). 1987;113:1527-9 (Brief comm.)

Serum lipids and fatty acids in ischemic strokes (Tilvis et al). 1987;113:615-9

Serum lipids and lipoproteins after myocardial infarction: associations with cardiovascular mortality and experience in the Aspirin Myocardial Infarction Study (Frost et al). 1987;113:1356-64

**Lipolysis**

Deficiencies of plasma lipolytic activities (Breckenridge). 1987;113:567-73

**Lipoprotein**

Alcohol-induced changes in serum lipoproteins and in their metabolism (Taskinen et al). 1987;113:458-64 (Symposium)

Analytical procedures for the detection and characterization of apolipoprotein E mutants (Assmann et al). 1987;113:598-603 (Symposium)

# **Lipoprotein—Cont'd**

- Associations of high-density lipoprotein subclasses and apolipoproteins with ischemic heart disease and coronary atherosclerosis (Miller). 1987;113:589-97 (Symposium)
- Coordination of very low-density lipoprotein triglyceride and apolipoprotein B metabolism in humans: effects of obesity and non-insulin-dependent diabetes mellitus (Howard et al). 1987;113:522-6 (Symposium)
- Dietary determinants of plasma high-density lipoprotein cholesterol (Pietinen and Huttunen). 1987;113:620-25 (Symposium)
- Enhanced cholesterol elimination and synthesis related to low-density lipoprotein metabolism (Miettinen et al). 1987;113:487-93 (Symposium)
- Factors affecting the rate of catalyzed transfer of cholesterol esters in plasma (Fielding). 1987;113:532-7 (Symposium)
- Genetic regulation of apolipoproteins (Breslow). 1987;113:422-7 (Symposium)
- High-density lipoprotein turnover (Nestel). 1987;113:518-21 (Symposium)
- The immunochemistry of apolipoprotein B (Schonfeld et al). 1987;113:452-7 (Symposium)
- Intensive drug therapy of hypercholesterolemia (Witztum). 1987;113:603-9 (Symposium)
- In vitro studies of lipid metabolism in human liver (Angelin et al). 1987;113:482-7 (Symposium)
- The interaction of high-density lipoproteins with extrahepatic cells (Bierman and Oram). 1987;113:549-50 (Symposium)
- Kinetic characteristics and mechanisms of regulation of receptor-dependent and receptor-independent LDL transport in the liver of different animal species and humans (Meddings et al). 1987;113:475-81 (Symposium)
- Kinetics of LDL subfractions (Thompson et al). 1987;113:514-7 (Symposium)
- Lipoprotein abnormalities in hypertriglyceridemia: significance in atherosclerosis (Eisenberg). 1987;113:555-61 (Symposium)
- Lipoproteins and atherosclerosis: some unanswered questions (Steinberg). 1987;113:626-32 (Symposium)
- Mechanism of action of lipoprotein lipase and hepatic triglyceride lipase (Jackson et al). 1987;113:551-54 (Symposium)
- Mechanisms of primary hypercholesterolemia in humans (Vega and Grundy). 1987;113:493-502 (Symposium)
- Metabolic consequences of genetic heterogeneity of lipoprotein composition (lipoprotein heterogeneity) (Brunzell et al). 1987;113:583-8 (Symposium)
- Metabolic heterogeneity in very low-density lipoproteins (Shepherd and Packard). 1987;113:503-8 (Symposium)
- Nutrition and biogenesis of plasma lipoproteins in nonhuman primates (Getz et al). 1987;113:440-45 (Symposium)
- Plasma high-density lipoprotein concentration and subfraction distribution in relation to triglyceride metabolism (Nikkilä et al). 1987;113:543-8 (Symposium)
- Proapolipoprotein-converting enzymes and high-density lipoprotein early events in biogenesis (Scanu). 1987;113:527-32 (Symposium)
- Regulation of hepatic lipase and serum lipoproteins by sex steroids (Tikkanen and Nikkilä). 1987;113:562-7 (Symposium)
- Regulation of low-density lipoprotein apolipoprotein B levels (Kesäniemi et al). 1987;113:508-13 (Symposium)
- Regulation of plasma cholesterol by hepatic low-density lipoprotein receptors (Kovanen). 1987;113:464-9 (Symposium)
- Relationship of intermediate and low-density lipoprotein sub-species to risk of coronary artery disease (Krauss). 1987;113:578-82 (Symposium)
- Review of angiographic studies on treatment of atherosclerotic vascular disease (Olsson). 1987;113:609-14 (Symposium)
- The role of altered lipoproteins in the pathogenesis of atherosclerosis (Haberland and Fogelman). 1987;113:573-7 (Symposium)
- Role of apolipoprotein E in lipoprotein metabolism (Havel et al). 1987;113:470-74 (Symposium)
- The role of lipid transfer proteins in plasma lipoprotein metabolism (Barter et al.). 1987;113:538-42 (Symposium)
- Serum lipids and fatty acids in ischemic strokes (Tilvis et al). 1987;113:615-9 (Symposium)
- Serum lipids and lipoproteins after myocardial infarction: associations with cardiovascular mortality and experience in the Aspirin Myocardial Infarction Study (Frost et al). 1987;113:1356-64

# **Lipoprotein—Cont'd**

- Structure and biosynthesis of apolipoprotein B (Olofsson et al). 1987;113:446-52 (Symposium)
- ## **Liver**
- Kinetic characteristics and mechanism of regulation of receptor-dependent and receptor-independent LDL transport in the liver of different animal species and humans (Meddings et al). 1987;113:475-81
  - In vitro studies of lipid metabolism in human liver (Angelin et al). 1987;113:482-7
- ## **Lupus erythematosus**
- Alterations in myocardial systolic and diastolic function in patients with active systemic lupus erythematosus (Murai et al). 1987;113:966-71

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### **Magnesium**

- Does exogenous magnesium suppress myocardial irritability and tachyarrhythmias in the nondigitalized patient? (Zwering) 1987;113:1046-53 (Editorial)

### **Magnetic resonance imaging**

- Adriamycin cardiotoxicity and proton nuclear magnetic resonance relaxation properties (Thompson et al). 1987;113:1444-8
- Determination of left ventricular volumes and ejection fraction by nuclear magnetic resonance imaging (Dilworth et al). 1987;113:24-32
- ECG-gated magnetic resonance imaging in right ventricular dysplasia (Casolo et al). 1987;113:1245-8 (Brief comm.)
- Evaluation of the right ventricle by magnetic resonance imaging (Markiewicz et al). 1987;113:8-15

### **Malignancy**

- False aneurysm of the aortic root: mimic of malignancy, mediator of myocardial ischemia (Rogers et al). 1987;113:1237-9 (Brief comm.)
- Malignant pericardial diseases: diagnosis and treatment (Kralstein and Frishman). 1987;113:785-90 (Curriculum cardi.)

### **Mammary artery**

- Emergent internal mammary artery grafting following failed percutaneous transluminal coronary angioplasty: use of transluminal catheter reperfusion (Kereiakes et al). 1987;113:1018-20 (Brief comm.)
- Unrecognized internal mammary artery stenosis treated by percutaneous angioplasty after coronary bypass surgery (Stullman and Hilliard). 1987;113:393-5 (Brief comm.)

### **Mapping**

- Mechanisms of ventricular tachycardia termination and acceleration during transvenous cardioversion as determined by cardiac mapping in man (Saksena et al). 1987;113:1495-1506 (Prog. cardi.)

### **Marathon runner**

- High degree atrioventricular block in a marathoner with 5-year follow-up (DiNardo-Ekery and Abedin). 1987;113:834-7 (Brief comm.)

### **Metabolism, lipoprotein; see Lipoprotein**

### **Metastasis**

- Right ventricular obstruction from cervical carcinoma: a rare, single metastatic site (Schaefer et al). 1987;113:397-9 (Brief comm.)

### **Microsphere beads**

- Treatment of adverse digitalis effects by hemoperfusion through columns with antidigoxin antibodies bound to agarose polyacrolein microsphere beads (Savin et al). 1987;113:1078-84

### **Mitral valve**

- Abnormal chordal insertion: a cause of mitral valve prolapse (Virmani et al). 1987;113:851-8
- Arrhythmias and sudden death in mitral valve prolapse (Kligfield et al). 1987;113:1298-1307 (Symposium)
- Cerebral ischemia with mitral valve prolapse (Wolf and Sila). 1987;113:1308-15 (Symposium)
- Clinical and epidemiologic issues in mitral valve prolapse: overview and perspective (Perloff and Child). 1987;113:1324-32 (Symposium)
- The degree of increment in plasma catecholamines in patients with mitral stenosis by mild exercise (Ikeda et al). 1987;113:1103-7
- Diagnosis and classification of severity of mitral valve prolapse: methodologic, biologic, and prognostic considerations (Devreux et al). 1987;113:1265-80 (Symposium)



**Mitral valve—Cont'd**

- Dissection of the anterior mitral leaflet causing mitral regurgitation in aortic valve endocarditis (Pennestri et al). 1987;113:212-4 (Brief comm.)
- Doppler measurement of left atrial depressurization and mitral valve area in patients with suspected mitral stenosis: validation of a new method (Pearlman and Gibson). 1987;113:868-73
- Echocardiographic identification of aortic atresia with ventricular septal defect, normal left ventricle and mitral valve (Marino et al). 1987;113:1521-4 (Brief comm.)
- Echocardiographic mitral valve prolapse in ballet dancers: a function of leanness (Cohen et al). 1987;113:341-4
- From irritable heart to mitral valve prolapse: systolic clicks, apical murmurs, and the auscultatory connection in the 19th century (Wooley). 1987;113:413-9 (Editorial)
- Factors predisposing to false negative M-mode echocardiograms in patients with two-dimensional echocardiographic criteria for mitral valve prolapse (Alpert et al). 1987;113:1250-2 (Brief comm.)
- Hemolytic anemia and acute mitral regurgitation caused by a torn cusp of a porcine mitral prosthetic valve 7 years after its implantation (Schaer et al). 1987;113:404-6 (Brief comm.)
- An integrated mechanism for systolic anterior motion of the mitral valve in hypertrophic cardiomyopathy based on echocardiographic observations (Jiang et al). 1987;113:633-44
- Mechanisms of severe mitral regurgitation in mitral valve prolapse determined from analysis of operatively excised valves (Roberts et al). 1987;113:1316-23 (Symposium)
- Mitral valve prolapse and infective endocarditis (MacMahon et al). 1987;113:1291-7 (Symposium)
- Preoperative two-dimensional echocardiographic prediction of prosthetic aortic and mitral valve size in children (Caldwell et al). 1987;113:873-8
- Prevalence and clinical features of mitral valve prolapse (Levy and Savage). 1987;113:1281-90 (Symposium)
- Reparative operations for mitral valve incompetence: an emerging treatment of choice (Bashour et al). 1987;113:1199-1206 (Prog. cardi.)
- Repolarization abnormalities in mitral valve prolapse (Meyers et al). 1987;113:1414-6
- A simplified mitral valve method for two-dimensional echo Doppler blood flow calculation: validation in an open-chest canine model and initial clinical studies (Meijboom et al). 1987;113:335-40
- Two-dimensional echocardiographic mitral valve prolapse: evidence for a relationship of echocardiographic morphology to clinical findings and to mitral annular size (Cohen). 1987;113:859-68

**M-mode echocardiogram**

- Assessment of diastolic function in normal and hypertrophied hearts: comparison of Doppler echocardiography and M-mode echocardiography (Pearson et al). 1987;113:1417-25
- Factors predisposing to false negative M-mode echocardiograms in patients with two-dimensional echocardiographic criteria for mitral valve prolapse (Alpert et al). 1987;113:1250-2 (Brief comm.)

**Monoclonal anti-Ag(c) antibody**

- Immunogenetic polymorphism of apolipoprotein B in humans: studies with a monoclonal anti-Ag(c) antibody (Tikkanen). 1987;113:428-32

**Morbidity**

- Long-term prognosis of patients with acute myocardial infarction: is mortality and morbidity as low as the incidence of ischemic heart disease in Japan? (Saito et al). 1987;113:891-7

**Mortality rate; see also Death**

- Long-term prognosis of patients with acute myocardial infarction: is mortality and morbidity as low as the incidence of ischemic heart disease in Japan? (Saito et al). 1987;113:891-7

**Murmur**

- From irritable heart to mitral valve prolapse: systolic clicks, apical murmurs, and the auscultatory connection in the 19th century (Wooley). 1987;113:413-9 (Editorial)

**Muscle; see also Myocardial infarction; Myocardium**

- Electrical ablation of atrial muscle. I. Early and late anatomical observations in canine atria (Moak et al). 1987;113:1397-1403
- Electrical ablation of atrial muscle. II. Early and late electrophysiologic observations in canine atria (Moak et al). 1987;113:1404-13

**Myocardial infarction**

- Acute myocardial infarction in post infarct patient possibly through beta blocker-induced coronary artery spasm (Nanas et al). 1987;113:388-91 (Brief comm.)
- Acute myocardial infarction in the United States, 1970-1983 (Gillum). 1987;113:804-11 (Prog. cardi.)
- Aerobic responses to low level exercise testing following an acute myocardial infarction (Hossack et al). 1987;113:694-9
- Atropine resistant post infarction complete AV block: possible role of adenosine and improvement with aminophylline (Shah et al). 1987;113:194-5 (Brief comm.)
- Cardiac-specific troponin-I radioimmunoassay in the diagnosis of acute myocardial infarction (Cummins et al). 1987;113:1333-44
- Clinical significance of early myocardial <sup>99m</sup>Tc-pyrophosphate uptake in patients with acute myocardial infarction (Kondo et al). 1987;113:250-6
- Coronary vasospasm culminating in thrombosis and infarction following successful coronary angioplasty (Klevan et al). 1987;113:1220-2 (Brief comm.)
- The effect of digitalis on experimental myocardial infarct size and hemodynamics (Alker and Kloner). 1987;113:1353-5
- The effects of cytochrome C on the extent of myocardial infarction and regional function of the ischemic myocardium (Zalewski et al). 1987;113:124-9
- Evolution of regional left ventricular wall motion abnormalities in acute Q and non-Q wave myocardial infarction (Mahias-Narvarte et al). 1987;113:1369-75
- Free ventricular wall rupture in acute myocardial infarction with normal coronary arteries (Trigano et al). 1987;113:1027-9 (Brief comm.)
- Glucose tolerance and insulin response to glucose in nondiabetic young male survivors of myocardial infarction (Hamsten et al). 1987;113:917-27
- Immunohistochemical localization of procainamide in normal, ischemic, and necrotic canine myocardium during acute experimental myocardial infarction (Siegel et al). 1987;113:1383-9
- Ischemic ST segment depression in leads V<sub>2</sub>-V<sub>3</sub> as the presenting electrocardiographic feature of posterolateral wall myocardial infarction (Sclarovsky et al). 1987;113:1085-90
- Long-term prognosis of patients with acute myocardial infarction: is mortality and morbidity as low as the incidence of ischemic heart disease in Japan? (Saito et al). 1987;113:891-7
- Morphology of occlusive coronary lesions during acute myocardial infarction: an angiographic and clinical analysis (Saenz et al). 1987;113:84-9
- Multivessel coronary artery spasm causing myocardial infarction and postinfarction angina (Hamada et al). 1987;113:1024-6 (Brief comm.)
- Non-Q wave myocardial infarction: recent changes in occurrence and prognosis—a community-wide perspective (Goldberg et al). 1987;113:273-9
- Prediction of 1-year outcome after complicated and uncomplicated myocardial infarction: Bayesian analysis of pre-discharge exercise test results in 300 patients (Deckers et al). 1987;113:90-5
- Prophylactic anticoagulation for left ventricular thrombi after acute myocardial infarction: a prospective randomized trial (Arvan and Boscha). 1987;113:688-93
- Right ventricular myocardial infarction with anterior wall left ventricular infarction: an autopsy study (Cabin et al). 1987;113:16-23
- Serum lipids and lipoproteins after myocardial infarction: associations with cardiovascular mortality and experience in the Aspirin Myocardial Infarction Study (Frost et al). 1987;113:1356-64
- Transfemoral embolectomy for massive pulmonary embolus and associated myocardial infarction (Feitelberg et al). 1987;113:819-20 (Brief comm.)
- Uncomplicated non-Q wave infarction caused by total obstruction of the left main coronary artery (Waters et al). 1987;113:1224-6 (Brief comm.)
- Myocardium; see also Myocardial infarction**
- Acute and chronic effects of amiodarone on delayed afterdepolarization and triggered automaticity in rabbit ventricular myocardium (Ohta et al). 1987;113:289-96
- Adverse effects of circumflex coronary artery occlusion on blood flow to remote myocardium supplied by a stenosed left anterior descending coronary artery in anesthetized open-chest dogs (Gascho and Beller). 1987;113:679-83



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- Alterations in myocardial systolic and diastolic function in patients with active systemic lupus erythematosus (Murai et al). 1987;113:966-71
- Clinical, histochemical, and ultrastructural correlation in septal endomyocardial biopsies from chronic chagasic patients: detection of early myocardial damage (Guerra et al). 1987;113:716-24
- Clinical significance of early myocardial <sup>99m</sup>Tc-pyrophosphate uptake in patients with acute myocardial infarction (Kondo et al). 1987;113:250-6
- Comparison of electrocardiography and thallium-201 myocardial scintigraphy for the detection of ergonovine-induced coronary artery spasm: angiographic correlation (Shanes et al). 1987;113:663-71
- Coronary vasospasm as a cause of stunned myocardium (Mathias et al). 1987;113:383-5 (Brief comm.)
- Differentiation of viable and nonviable myocardium after acute reperfusion using serial thallium-201 imaging (Okada and Boucher). 1987;113:241-50
- Disproportionate myocardial ischemia due to distant guidewire side branch positioning during percutaneous transluminal coronary angioplasty (Kern et al). 1987;113:1218-20 (Brief comm.)
- Does exogenous magnesium suppress myocardial irritability and tachyarrhythmias in the nondigitalized patient? (Zwerling). 1987;113:1046-53 (Editorial)
- False aneurysm of the aortic root: mimic of malignancy, mediator of myocardial ischemia (Rogers et al). 1987;113:1237-9 (Brief comm.)
- Ischemic heart disease in the WHHL rabbit: a model for myocardial injury in genetically hyperlipidemic animals (Hatanaka et al). 1987;113:280-8
- Ischemic myocardial dysfunction assessed by temporal Fourier transform of regional myocardial wall thickening (Heusch et al). 1987;113:116-24
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- Myocardial metabolism and coronary sinus blood flow during coronary artery surgery: effects of nitroprusside and nifedipine (van Wezel et al). 1987;113:266-73
- Prostacyclin protects ischemic reperfused myocardium in the dog by inhibition of neutrophil activation (Simpson et al). 1987;113:129-37
- Relation between graded, subcritical impairments of coronary flow reserve and regional myocardial dysfunction induced by isoproterenol infusion in dogs (Mancini et al). 1987;113:906-16
- The substrate and the trigger: the role of myocardial vulnerability in sudden cardiac death (Keefe et al). 1987;113:218-25 (Editorial)
- Takayasu's arteritis and myocardial dysfunction (Schamroth et al). 1987;113:1240-3 (Brief comm.)
- Validation of in vivo two-dimensional echocardiographic dimension measurements using myocardial mass estimates in dogs (Stack et al). 1987;113:725-31

# Myotonic dystrophy

- Myotonic dystrophy: ambulatory electrocardiogram, electrophysiologic study and echocardiographic evaluation (Hironaka et al). 1987;113:1482-8 (Curriculum cardi.)

# Myxoma

- Echocardiographic diagnosis of an infected myxoma in an atypical location (Bough et al). 1987;113:1031-2 (Brief comm.)

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# Nafazatrom

- Effect of nafazatrom on platelet function and release: relationship to symptomatic episodes in patients with peripheral vascular disease (Buchanan et al). 1987;113:1133-7

# Natriuretic polypeptide

- Circulating atrial natriuretic polypeptide in essential hypertension (Kohn et al). 1987;113:1160-3
- Increase of human atrial natriuretic polypeptide in response to cardiac pacing (Obata et al). 1987;113:845-7 (Brief comm.)
- The role of atrial pressure in secreting atrial natriuretic polypeptides (Matsubara et al). 1987;113:1457-62

# Neonate; see also Infant

- Aneurysm of the ascending aorta associated with sternal cleft, cutaneous hemangioma, and occlusion of the right innominate artery in a neonate (Schieken et al). 1987;113:202-4 (Brief comm.)
- Doppler echocardiographic observations of pulmonary and transvalvular velocity changes after birth and during the early neonatal period (Wilson et al). 1987;113:750-9
- Effects of flecainide on the cellular electrophysiology of neonatal and adult cardiac fibers (Yabek et al). 1987;113:70-6
- False division of the left atrium by a redundant, mobile flap valve of the foramen ovale: echocardiographic and anatomic assessment in a neonate with critical pulmonary stenosis (Casta et al). 1987;113:1032-6 (Brief comm.)
- A pulsed Doppler echocardiographic study of the postnatal changes in pulmonary artery and ascending aortic flow in normal term newborn infants (Takenaka et al). 1987;113:759-66
- A rare right atrial tumor presenting with cyanosis in a newborn (Villafane et al). 1987;113:1036-8 (Brief comm.)

# Neutrophil

- Prostacyclin protects ischemic reperfused myocardium in the dog by inhibition of neutrophil activation (Simpson et al). 1987;113:129-37

# Nifedipine

- Comparative antianginal effects of nisoldipine and nifedipine in patients with chronic stable angina (Crean et al). 1987;113:261-5
- Improved left ventricular performance during exercise with verapamil or nifedipine in patients with chronic stable angina (Gill et al). 1987;113:700-7
- Myocardial metabolism and coronary sinus blood flow during coronary artery surgery: effects of nitroprusside and nifedipine (van Wezel et al). 1987;113:266-73
- Nifedipine therapy of phenylpropanolamine-induced hypertension (Gibson et al). 1987;113:406-7 (Brief comm.)

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# Nisoldipine

- Comparative antianginal effects of nisoldipine and nifedipine in patients with chronic stable angina (Crean et al). 1987;113:261-5

# Nitroglycerin

- Systemic and coronary hemodynamic effects of combined intravenous diltiazem and nitroglycerin administration (Joyal et al). 1987;113:1376-82

# Nitroprusside

- Myocardial metabolism and coronary sinus blood flow during coronary artery surgery: effects of nitroprusside and nifedipine (van Wezel et al). 1987;113:266-73

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# Non-Q wave infarction

- Evolution of regional left ventricular wall motion abnormalities in acute Q and non-Q wave myocardial infarction (Mahias-Narvarte et al). 1987;113:1369-75
- Uncomplicated non-Q wave infarction caused by total obstruction of the left main coronary artery (Waters et al). 1987;113:1224-6 (Brief comm.)

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# Obesity

- Coordination of very low-density lipoprotein triglyceride and apolipoprotein B metabolism in humans: effects of obesity and non-insulin-dependent diabetes mellitus (Howard et al). 1987;113:522-6

# Obstruction; see also Ischemia

- Right ventricular obstruction from cervical carcinoma: a rare, single metastatic site (Schaefer et al). 1987;113:397-9 (Brief comm.)
- Uncomplicated non-Q wave infarction caused by total obstruction of the left main coronary artery (Waters et al). 1987;113:1224-6 (Brief comm.)

# Occlusion; see also Obstruction; Ischemia

- Adverse effects of circumflex coronary artery occlusion on blood flow to remote myocardium supplied by a stenosed left anterior descending coronary artery in anesthetized open-chest dogs (Gascho and Beller). 1987;113:679-83

**Occlusion—Cont'd**

Aneurysm of the ascending aorta associated with sternal cleft, cutaneous hemangioma, and occlusion of the right innominate artery in a neonate (Schieken et al). 1987;113:202-4 (Brief comm.)

Differential effects of reperfusion on incidence of ventricular arrhythmias and recovery of ventricular function at 4 days following coronary occlusion (Arnold et al). 1987;113:1055-65

Effects of different paced heart rates on canine coronary occlusion and reperfusion arrhythmias (Lederman et al). 1987;113:1365-8

Long-term follow-up of coronary artery occlusion secondary to blunt chest trauma (Kahn and Buda). 1987;113:207-10 (Brief comm.)

Morphology of occlusive coronary lesions during acute myocardial infarction: an angiographic and clinical analysis (Saenz et al). 1987;113:84-9

**Open-heart surgery**

Survival of patients with acute renal failure requiring dialysis after open heart surgery: early prognostic indicators (Lange et al). 1987;113:1138-43

The relationship between successful defibrillation and delivered energy in open-chest dogs: reappraisal of the defibrillation threshold concept (Davy et al). 1987;113:77-84

**Outpatient surveillance**

Asymptomatic telephone ECG transmissions as an outpatient surveillance system of ventricular arrhythmias: relationship to quantitative ambulatory ECG recordings (Pratt et al). 1987;113:1-7

**Oxygen**

The value of mixed venous oxygen saturation as a therapeutic indicator in the treatment of advanced congestive heart failure (Hassan et al). 1987;113:743-9

**P****Pacing**

Comparative survival following permanent ventricular and dual-chamber pacing for patients with chronic symptomatic sinus node dysfunction with and without congestive heart failure (Alpert et al). 1987;113:958-65

Differential diagnosis of sinus node dysfunction vs advanced atrioventricular block by analysis of venous flow patterns in patients with ventricular pacemakers (Yamagishi et al). 1987;113:1243-5 (Brief comm.)

Effects of different paced heart rates on canine coronary occlusion and reperfusion arrhythmias (Lederman et al). 1987;113:1365-8

Increase of human atrial natriuretic polypeptide in response to cardiac pacing (Obata et al). 1987;113:845-7 (Brief comm.)

Pacing in children and young adults with nonsurgical atrioventricular block: comparison of single-rate ventricular and dual-chamber models (Karpawich et al). 1987;113:316-21

Severe tricuspid valve regurgitation caused by transvenous pacemaker: echocardiographic diagnosis (Muhler and von Bernuth). 1987;113:1029-31 (Brief comm.)

**Pain**

Chest pain during PTCA: unprovoked spasm of the contralateral coronary artery (Brinker et al). 1987;113:1020-4 (Brief comm.)

**Paraganglioma**

Left atrial paraganglioma: report of a case and review of the literature (Hui et al). 1987;113:1230-4 (Brief comm.)

**Paraplegia**

Thrombosed aorta resulting in spinal cord ischemia and paraplegia in ischemic cardiomyopathy (Kocher et al). 1987;113:1510-13 (Brief comm.)

**Percutaneous angioplasty**

Disproportionate myocardial ischemia due to distant guidewire side branch positioning during percutaneous transluminal coronary angioplasty (Kern et al). 1987;113:1218-20 (Brief comm.)

Emergent internal mammary artery grafting following failed percutaneous transluminal coronary angioplasty: use of transluminal catheter reperfusion (Kereiakes et al). 1987;113:1018-20 (Brief comm.)

Unrecognized internal mammary artery stenosis treated by percutaneous angioplasty after coronary bypass surgery (Stullman and Hilliard). 1987;113:393-5 (Brief comm.)

**Percutaneous intra-aortic balloon**

Intravenous streptokinase and percutaneous intra-aortic balloon counterpulsation used concomitantly (Habbab et al). 1987;113:205-7 (Brief comm.)

**Pericardium**

Experimental evaluation of technetium-99m red blood cell radionuclide ventriculography for detecting pericardial bleeding (Bateman et al). 1987;113:977-83

The etiologic spectrum of constrictive pericarditis (Cameron et al). 1987;113:354-60 (Curriculum cardiol.)

Malignant pericardial diseases: diagnosis and treatment (Kralstein and Frishman). 1987;113:785-90 (Curriculum cardiol.)

Pericardial constraint in chronic heart failure (Boltwood et al). 1987;113:847-9 (Brief comm.)

**Peripheral vascular disease**

Effect of nafazotrom on platelet function and release: relationship to symptomatic episodes in patients with peripheral vascular disease (Buchanan et al). 1987;113:1133-7

**Phenylpropanolamine**

Nifedipine therapy of phenylpropanolamine-induced hypertension (Gibson et al). 1987;113:406-7 (Brief comm.)

**Pirfenol**

Electrophysiology and antiarrhythmic efficacy of intravenous pirfenol in patients with sustained ventricular tachyarrhythmias (Liem et al). 1987;113:1390-6

**Plaque**

Removal of atherosclerotic plaque using multiple short exposures of argon ion laser light (Kramer et al). 1987;113:1038-40 (Brief comm.)

**Plasma**

The degree of increment in plasma catecholamines in patients with mitral stenosis by mild exercise (Ikeda et al). 1987;113:1103-7

Nutrition and biogenesis of plasma lipoproteins in nonhuman primates (Getz et al). 1987;113:440-45

Plasma concentrations of  $\alpha$ -human atrial natriuretic polypeptide and cyclic GMP in patients with heart disease (Hirata et al). 1987;113:1463-9

Plasma high-density lipoprotein concentration and subfraction distribution in relation to triglyceride metabolism (Nikkilä et al). 1987;113:543-8

**Platelet**

Effect of nafazotrom on platelet function and release: relationship to symptomatic episodes in patients with peripheral vascular disease (Buchanan et al). 1987;113:1133-7

Increased platelet release reaction in 50-year-old man with essential hypertension: correlation with atherogenic cholesterol fractions (Kjeldsen et al). 1987;113:151-5

**Polyneuropathy**

Early identification of amyloid heart disease by technetium-99m-pyrophosphate scintigraphy: a study with familial amyloid polyneuropathy (Hongo et al). 1987;113:654-62

**Polypeptide**

Increase of human atrial natriuretic polypeptide in response to cardiac pacing (Obata et al). 1987;113:845-7 (Brief comm.)

**Positron-emission computed tomography**

Detection of coronary artery disease with N-ammonia and high-resolution positron-emission computed tomography (Yonekura et al). 1987;113:645-54

**Postextrasystolic potentiation**

Response of the left ventricle in idiopathic dilated cardiomyopathy to postextrasystolic potentiation (Yamazoe). 1987;113:1449-56

**Potassium**

Influence of beta<sub>2</sub>-adrenoceptor stimulation and blockade on cardiac electrophysiologic properties and serum potassium concentration in the anesthetized dog (Hohnloser et al). 1987;113:1066-70

**Potts shunt**

Transluminal angioplasty of a stenotic Potts shunt and pulmonary arterial branch stenosis (Snyder et al). 1987;113:198-200 (Brief comm.)

**Premature infant**

Echocardiographic diagnosis of Candida mass of the right atrium in a premature infant (Heydarian et al). 1987;113:402-4 (Brief comm.)

**Pressure**

Doppler predictions of pulmonary artery pressure, flow, and resistance in adults (Graettinger et al). 1987;113:1426-36

The role of atrial pressure in secreting atrial natriuretic polypeptides (Matsubara et al). 1987;113:1457-62

# **Proapolipoprotein-converting enzymes**

Proapolipoprotein-converting enzymes and high-density lipoprotein early events in biogenesis (Scanu). 1987;113:527-32

# **Procainamide**

Immunohistochemical localization of procainamide in normal, ischemic, and necrotic canine myocardium during acute experimental myocardial infarction (Siegel et al). 1987; 113:1383-9

# **Programmed stimulation**

Antiarrhythmic effects of indecainide in a drug-resistant population with ventricular tachycardia at programmed electrical stimulation (Miura et al). 1987;113:65-9

Effects of chronic amiodarone therapy on ventricular tachycardia induced by programmed ventricular stimulation (DiCarlo et al). 1987;113:57-64

# **Progress in cardiology**

Progress in cardiology. 1987;113:179-93; 370-82; 799-818; 1006-17; 1199-1217; 1489-1506

# **Prolapse; see Mitral valve prolapse**

# **Propafenone**

Distribution of propafenone and its active metabolite, 5-hydroxypropafenone, in human tissues (Latini et al). 1987; 113:843-4 (Brief comm.)

Effects of propafenone on sinus nodal and ventricular automaticity: in vitro and in vivo correlation (Katoh et al). 1987; 113:941-52

# **Propranolol**

Postoperative hypertension after repair of coarctation of aorta in children: protective effect of propranolol? (Leenen et al) 1987;113:1164-73

# **Prostacyclin**

Myocardial ischemia during intravenous prostacyclin administration: hemodynamic findings and precautionary measures (Bugiardini et al). 1987;113:234-41

Prostacyclin protects ischemic reperfused myocardium in the dog by inhibition of neutrophil activation (Simpson et al). 1987;113:129-37

# **Prosthesis; see also Bypass; Graft**

Hemolytic anemia and acute mitral regurgitation caused by a torn cusp of a porcine mitral prosthetic valve 7 years after its implantation (Schaefer et al). 1987;113:404-6 (Brief comm.)

Preoperative two-dimensional echocardiographic prediction of prosthetic aortic and mitral valve size in children (Caldwell et al). 1987;113:873-8

Thrombosed prosthetic valve after catheter ablation for ventricular tachycardia (Oda et al). 1987;113:1513-6 (Brief comm.)

# **Proteins**

The role of lipid transfer proteins in plasma lipoprotein metabolism (Barter et al). 1987;113:538-42

# **Proton nuclear magnetic resonance**

Adriamycin cardiotoxicity and proton nuclear magnetic resonance relaxation properties (Thompson et al). 1987;113: 1444-8

# **Pseudoaneurysm**

Evaluation of pseudoaneurysm of the left ventricle by echocardiography and pulsed Doppler (Smeal et al). 1987;113:1508-10 (Brief comm.)

# **PTCA (percutaneous transluminal coronary angioplasty)**

Chest pain during PTCA: unprovoked spasm of the contralateral coronary artery (Brinker et al). 1987;113:1020-4 (Brief comm.)

# **Pulmonary artery**

Beta-blockers: an effective treatment in congenital coronary fistulas to main pulmonary trunk in adults (Schutzenberger et al). 1987;113:1519-21 (Brief comm.)

Doppler echocardiographic observations of pulmonary and transvalvular velocity changes after birth and during the early neonatal period (Wilson et al). 1987;113:750-9

Doppler predictions of pulmonary artery pressure, flow, and resistance in adults (Graettinger et al). 1987;113:1426-36

How much does aortic and pulmonary artery area vary during the cardiac cycle? (Loeber et al) 1987;113:95-100

A pulsed Doppler echocardiographic study of the postnatal changes in pulmonary artery and ascending aortic flow in normal term newborn infants (Takenaka et al). 1987;113: 759-66

Relationship between age, body size, gender, and blood pressure and Doppler flow measurements in the aorta and pulmonary artery (Gardin et al). 1987;113:101-9

# **Pulmonary artery—Cont'd**

Transluminal angioplasty of a stenotic Potts shunt and pulmonary arterial branch stenosis (Snyder et al). 1987;113:198-200 (Brief comm.)

Two-dimensional and pulsed Doppler echocardiography in anomalous origin of the left coronary artery from the pulmonary artery: pre and postoperative studies (Diamant et al). 1987;113:195-8 (Brief comm.)

Two-dimensional echocardiographic features of pulmonary artery vegetation (Chia et al). 1987;113:833-4 (Brief comm.)

# **Pulmonary disease**

Review of echocardiographically diagnosed right heart entrapment of pulmonary emboli-in-transit with emphasis on management (Shechter et al). 1987;113:171-8 (Curriculum cardiol.)

Transfemoral embolectomy for massive pulmonary embolus and associated myocardial infarction (Feitelberg et al). 1987; 113:819-20 (Brief comm.)

# **Pulmonary hypertension**

The effect of chronic pulmonary hypertension on left ventricular size, function, and interventricular septal motion (Jessup et al). 1987;113:1114-22

# **Pulmonary vein**

Accuracy of subcostal two-dimensional echocardiography in prospective diagnosis of total anomalous pulmonary venous connection (Chin et al). 1987;113:1153-9

# **Pulmonic stenosis**

False division of the left atrium by a redundant, mobile flap valve of the foramen ovale: echocardiographic and anatomic assessment in a neonate with critical pulmonic stenosis (Casta et al). 1987;113:1032-6 (Brief comm.)

Single coronary artery complicating repair of pulmonic stenosis (Sherman et al). 1987;113:825-7 (Brief comm.)

# **Pulsed Doppler echocardiography**

Two-dimensional and pulsed Doppler echocardiography in anomalous origin of the left coronary artery from the pulmonary artery: pre and postoperative studies (Diamant et al). 1987;113:195-8 (Brief comm.)

# **Q**

# **Q wave**

Evolution of regional left ventricular wall motion abnormalities in acute Q and non-Q wave myocardial infarction (Mahias-Narvarde et al). 1987;113:1369-75

# **Quinidine**

Total and unbound concentrations of quinidine and 3-hydroxyquinidine at steady state (Wooding-Scott et al). 1987; 113:302-6

# **R**

# **Radionuclide**

Cardiac-specific troponin-I radioimmunoassay in the diagnosis of acute myocardial infarction (Cummins et al). 1987; 113:1333-44

Effects of exercise tolerance, age, and gender on the specificity of radionuclide angiography: sequential ejection fraction analysis during multistage exercise (Kuo et al). 1987; 113:1180-9 (Curriculum cardiol.)

Experimental evaluation of technetium-99m red blood cell radionuclide ventriculography for detecting pericardial bleeding (Bateman et al). 1987;113:977-83

The role of radionuclide cardiac imaging in coronary artery bypass surgery (Iskandrian et al). 1987;113:163-70 (Curriculum cardiol.)

# **Regional curvature analysis**

Quantitative regional curvature analysis: an application of shape determination for the assessment of segmental left ventricular function in man (Mancini et al). 1987;113: 326-34

# **Regurgitation**

Dissection of the anterior mitral leaflet causing mitral regurgitation in aortic valve endocarditis (Pennestri et al). 1987; 113:212-4 (Brief comm.)

Hemolytic anemia and acute mitral regurgitation caused by a torn cusp of a porcine mitral prosthetic valve 7 years after its implantation (Schaefer et al). 1987;113:404-6 (Brief comm.)

Mechanisms of severe mitral regurgitation in mitral valve prolapse determined from analysis of operatively excised valves (Roberts et al). 1987;113:1316-23 (Symposium)



**Regurgitation—Cont'd**

Relationship of the electrocardiographic response to exercise to geometric and functional findings in aortic regurgitation (Kligfield et al). 1987;113:1097-1102

Severe tricuspid valve regurgitation caused by transvenous pacemaker: echocardiographic diagnosis (Muhler and von Bernuth). 1987;113:1029-31 (Brief comm.)

**Renal failure**

Survival of patients with acute renal failure requiring dialysis after open heart surgery: early prognostic indicators (Lange et al). 1987;113:1138-43

**Reperfusion**

Differential effects of reperfusion on incidence of ventricular arrhythmias and recovery of ventricular function at 4 days following coronary occlusion (Arnold et al). 1987;113:1055-65

Differentiation of viable and nonviable myocardium after acute reperfusion using serial thallium-201 imaging (Okada and Boucher). 1987;113:241-50

Effects of different paced heart rates on canine coronary occlusion and reperfusion arrhythmias (Lederman et al). 1987;113:1365-8

Emergent internal mammary artery grafting following failed percutaneous transluminal coronary angioplasty: use of transluminal catheter reperfusion (Kereiakes et al). 1987;113:1018-20 (Brief comm.)

Prostacyclin protects ischemic reperfused myocardium in the dog by inhibition of neutrophil activation (Simpson et al). 1987;113:129-37

Reperfusion with streptokinase of an occluded right coronary artery: effects on early and late right and left ventricular ejection fraction (Baat et al). 1987;113:257-60

**Repolarization**

Repolarization abnormalities in mitral valve prolapse (Meyers et al). 1987;113:1414-6

**Resonance imaging; see Magnetic resonance imaging****Resuscitation**

Successful cardiopulmonary resuscitation in a patient with rare sinus node artery anomaly (Shalev et al). 1987;113:820-2 (Brief comm.)

**Revascularization**

Coronary revascularization by a new coaxially-guided laser-heated metal cap system (Lee et al). 1987;113:1507-8 (Brief comm.)

**Right atrium**

Echocardiographic diagnosis of Candida mass of the right atrium in a premature infant (Heydarian et al). 1987;113:402-4 (Brief comm.)

**Right heart**

Review of echocardiographically diagnosed right heart entrapment of pulmonary emboli-in-transit with emphasis on management (Shechter et al). 1987;113:171-8 (Curriculum cardiol.)

The value of routine right heart catheterization in patients undergoing coronary arteriography (Shanes et al). 1987;113:1261-3 (Editorial)

**Right ventricle**

Angiographically demonstrated isolated acute right ventricular infarction presenting as ST elevation in leads V<sub>1</sub> to V<sub>3</sub> (de Marchena et al). 1987;113:391-3 (Brief comm.)

ECG-gated magnetic resonance imaging in right ventricular dysplasia (Casolo et al). 1987;113:1245-8 (Brief comm.)

Evaluation of the right ventricle by magnetic resonance imaging (Markiewicz et al). 1987;113:8-15

Familial form of arrhythmogenic right ventricular dysplasia (Laurent et al). 1987;113:827-9 (Brief comm.)

Quantitative validation of cineangiographic biplane axial oblique right ventricular volume measurement (Pietras et al). 1987;113:321-5

Regional distribution of blood flow at the onset of right ventricular diastolic collapse during cardiac tamponade (Bernath et al). 1987;113:1129-32

Reperfusion with streptokinase of an occluded right coronary artery: effects on early and late right and left ventricular ejection fraction (Baat et al). 1987;113:257-60

Right ventricular myocardial infarction with anterior wall left ventricular infarction: an autopsy study (Cabin et al). 1987;113:16-23

Right ventricular obstruction from cervical carcinoma: a rare, single metastatic site (Schaefer et al). 1987;113:397-9 (Brief comm.)

**Risk factors**

Socioeconomic status, ethnic origin, and risk factors for coronary heart disease in children (Walter and Hofman). 1987;113:812-8 (Prog. cardiol.)

**Rupture**

Catheter rupture during balloon valvuloplasty (Weinhaus and Lababidi). 1987;113:1035 (Brief comm.)

Free ventricular wall rupture in acute myocardial infarction with normal coronary arteries (Trigano et al). 1987;113:1027-9 (Brief comm.)

Rupture of a coronary artery and hemorrhage into the ventricular cavity during coronary angioplasty (Cherry and Vandormael). 1987;113:386-8 (Brief comm.)

**S****Saphenous vein**

Saphenous vein aneurysms after aortocoronary bypass grafting: postoperative interval and hyperlipidemia as determining factors (Teja et al). 1987;113:1527-9 (Brief comm.)

Saphenous vein coronary bypass graft revisited (Enright et al). 1987;113:360-9 (Curriculum cardiol.)

**Scintigraphy**

Comparison of electrocardiography and thallium-201 myocardial scintigraphy for the detection of ergonovine-induced coronary artery spasm: angiographic correlation (Shanes et al). 1987;113:663-71

Early identification of amyloid heart disease by technetium-99m-pyrophosphate scintigraphy: a study with familial amyloid polyneuropathy (Hongo et al). 1987;113:654-62

Segmental wall motion abnormalities in dilated cardiomyopathy: hemodynamic characteristics and comparisons with thallium-201 myocardial scintigraphy (Yamaguchi et al). 1987;113:1123-8

**Seizure**

Latent intraHisian block provoked by a seizure (Gordon et al). 1987;113:837-9 (Brief comm.)

**Septum**

Clinical, histochemical, and ultrastructural correlation in septal endomyocardial biopsies from chronic chagasic patients: detection of early myocardial damage (Guerra et al). 1987;113:716-24

Echocardiographic identification of aortic atresia with ventricular septal defect, normal left ventricle and mitral valve (Marino et al). 1987;113:1521-4 (Brief comm.)

The effect of chronic pulmonary hypertension on left ventricular size, function, and interventricular septal motion (Jessup et al). 1987;113:1114-22

Predictors of postoperative ventricular dysfunction in infants who have undergone primary repair of a ventricular septal defect (Cyran et al). 1987;113:1144-8

**Serum lactate**

Serum lactate: prognostic marker for recurrent cardiac arrest? (Kessler et al). 1987;113:1540-4 (Editorial)

**Serum sickness-like illness**

Serum sickness-like illness and leukocytoclastic vasculitis following intracoronary arterial streptokinase (Noel et al). 1987;113:395-7 (Brief comm.)

**Sex steroids**

Regulation of hepatic lipase and serum lipoproteins by sex steroids (Tikkanen and Nikkilä). 1987;113:562-7

**Shunt**

Transluminal angioplasty of a stenotic Potts shunt and pulmonary arterial branch stenosis (Snyder et al). 1987;113:198-200 (Brief comm.)

**Single-rate ventricular pacing**

Pacing in children and young adults with nonsurgical atrioventricular block: comparison of single-rate ventricular and dual-chamber models (Karpawich et al). 1987;113:316-21

**Sinus blood flow**

Myocardial metabolism and coronary sinus blood flow during coronary artery surgery: effects of nitroprusside and nifedipine (van Wezel et al). 1987;113:266-73

**Sinus node**

Comparative survival following permanent ventricular and dual-chamber pacing for patients with chronic symptomatic sinus node dysfunction with and without congestive heart failure (Alpert et al). 1987;113:958-65



# **Sinus node—Cont'd**

Differential diagnosis of sinus node dysfunction vs advanced atrioventricular block by analysis of venous flow patterns in patients with ventricular pacemakers (Yamagishi et al). 1987;113:1243-5 (Brief comm.)

Effects of propafenone on sinus nodal and ventricular automaticity: in vitro and in vivo correlation (Kato et al). 1987;113:941-52

Successful cardiopulmonary resuscitation in a patient with rare sinus node artery anomaly (Shalev et al). 1987;113:820-2 (Brief comm.)

# **Smoking**

Fibrinogen, cigarette smoking, and risk of cardiovascular disease: insights from the Framingham Study (Kannel et al). 1987;113:1006-10 (Prog. cardiol.)

# **Socioeconomic status**

Socioeconomic status, ethnic origin, and risk factors for coronary heart disease in children (Walter and Hofman). 1987;113:812-8 (Prog. cardiol.)

# **Sodium**

Circulating atrial natriuretic polypeptide in essential hypertension (Kohn et al). 1987;113:1160-3

The role of atrial pressure in secreting atrial natriuretic polypeptides (Matsubara et al). 1987;113:1457-62

# **Spasm**

Acute myocardial infarction in post infarct patient possibly through beta blocker-induced coronary artery spasm (Nanas et al). 1987;113:388-91 (Brief comm.)

Chest pain during PTCA: unprovoked spasm of the contralateral coronary artery (Brinker et al). 1987;113:1020-4 (Brief comm.)

Comparison of electrocardiography and thallium-201 myocardial scintigraphy for the detection of ergonovine-induced coronary artery spasm: angiographic correlation (Shanes et al). 1987;113:663-71

Coronary artery spasm during hydrocortisone-induced allergic reactions (Egashira et al). 1987;113:1516-8 (Brief comm.)

Left ventricular wall motion at rest in patients with organic coronary artery disease vs coronary spasm (Matsuda et al). 1987;113:684-7

# **Spinal cord**

Thrombosed aorta resulting in spinal cord ischemia and paraplegia in ischemic cardiomyopathy (Kocher et al). 1987;113:1510-13 (Brief comm.)

# **Spondylitis**

Pericardial changes and left ventricular function in ankylosing spondylitis (Shah and Askari). 1987;113:1529-31 (Brief comm.)

# **ST segment**

Angiographically demonstrated isolated acute right ventricular infarction presenting as ST elevation in leads V<sub>1</sub> to V<sub>3</sub> (de Marchena et al). 1987;113:391-3 (Brief comm.)

Consecutive ST segment depression and elevation in the same electrocardiographic leads during an asymptomatic exercise treadmill test (Nevin et al). 1987;113:822-5 (Brief comm.)

Ischemic ST segment depression in leads V<sub>2</sub>-V<sub>3</sub> as the presenting electrocardiographic feature of posterolateral wall myocardial infarction (Sclarovsky et al). 1987;113:1085-90

Reproducibility and validity of ambulatory ST segment monitoring in patients with chronic stable angina pectoris (Khurmi and Raftery). 1987;113:1091-6

# **Stenosis**

Adverse effects of circumflex coronary artery occlusion on blood flow to remote myocardium supplied by a stenosed left anterior descending coronary artery in anesthetized open-chest dogs (Gascho and Beller). 1987;113:679-83

Assessment of coronary artery stenoses by digital subtraction angiography: a pathoanatomic validation (Klein et al). 1987;113:1011-7 (Prog. cardiol.)

Cardiac hydatid disease with clinical features resembling tricuspid stenosis (Mancuso et al). 1987;113:1234-7 (Brief comm.)

The degree of increment in plasma catecholamines in patients with mitral stenosis by mild exercise (Ikeda et al). 1987;113:1103-7

Doppler measurement of left atrial depressurization and mitral valve area in patients with suspected mitral stenosis: validation of a new method (Pearlman and Gibson). 1987;113:868-73

# **Stenosis—Cont'd**

Effects of aortic valve replacement on blood pressure, neurohumoral regulation, and arrhythmias in patients with aortic stenosis (Schlapfer et al). 1987;113:1041-2 (Brief comm.)

False division of the left atrium by a redundant, mobile flap valve of the foramen ovale: echocardiographic and anatomic assessment in a neonate with critical pulmonary stenosis (Casta et al). 1987;113:1032-6 (Brief comm.)

Single coronary artery complicating repair of pulmonary stenosis (Sherman et al). 1987;113:825-7 (Brief comm.)

Transluminal angioplasty of a stenotic Potts shunt and pulmonary arterial branch stenosis (Snyder et al). 1987;113:198-200 (Brief comm.)

Unrecognized internal mammary artery stenosis treated by percutaneous angioplasty after coronary bypass surgery (Stullman and Hilliard). 1987;113:393-5 (Brief comm.)

# **Sternal cleft**

Aneurysm of the ascending aorta associated with sternal cleft, cutaneous hemangioma, and occlusion of the right innominate artery in a neonate (Schieken et al). 1987;113:202-4 (Brief comm.)

# **Steroids**

Regulation of hepatic lipase and serum lipoproteins by sex steroids (Tikkanen and Nikkila). 1987;113:562-7

# **Stimulation**

Antiarrhythmic effects of indocanidine in a drug-resistant population with ventricular tachycardia at programmed electrical stimulation (Miura et al). 1987;113:65-9

Effects of chronic amiodarone therapy on ventricular tachycardia induced by programmed ventricular stimulation (DiCarlo et al). 1987;113:57-64

# **Streptokinase**

Intravenous streptokinase and percutaneous intra-aortic balloon counterpulsation used concomitantly (Habbab et al). 1987;113:205-7 (Brief comm.)

Reperfusion with streptokinase of an occluded right coronary artery: effects on early and late right and left ventricular ejection fraction (Braat et al). 1987;113:257-60

Serum sickness-like illness and leukocytoclastic vasculitis following intracoronary arterial streptokinase (Noel et al). 1987;113:395-7 (Brief comm.)

Thromboxane synthetase inhibition with CGS 13080 improves coronary blood flow after streptokinase-induced thrombolysis (Mickelson et al). 1987;113:1345-52

# **Sudden death**

Arrhythmias and sudden death in mitral valve prolapse (Kligfield et al). 1987;113:1298-1307 (Symposium)

The electrocardiogram in prediction of sudden death: Framingham Study experience (Kreger et al). 1987;113:377-82 (Prog. cardiol.)

The substrate and the trigger: the role of myocardial vulnerability in sudden cardiac death (Keefe et al). 1987;113:218-25 (Editorial)

Sudden death risk in overt coronary heart disease: the Framingham Study (Kannel et al). 1987;113:799-804 (Prog. cardiol.)

# **Survival**

Comparative survival following permanent ventricular and dual-chamber pacing for patients with chronic symptomatic sinus node dysfunction with and without congestive heart failure (Alpert et al). 1987;113:958-65

# **Swallow syncope**

Swallow syncope in an otherwise healthy young man (Ausubel and Gitler). 1987;113:831-2 (Brief comm.)

# **Symposium**

Clinical and epidemiological issues in mitral valve prolapse. 1987;113:1265-1332

Lipoprotein metabolism in relation to coronary heart disease. 1987;113:421-632

# **Syncope**

Swallow syncope in an otherwise healthy young man (Ausubel and Gitler). 1987;113:831-2 (Brief comm.)

# **Systemic lupus erythematosus**

Alterations in myocardial systolic and diastolic function in patients with active systemic lupus erythematosus (Murai et al). 1987;113:966-71

# **Systolic anterior motion**

An integrated mechanism for systolic anterior motion of the mitral valve in hypertrophic cardiomyopathy based on echocardiographic observations (Jiang et al). 1987;113:633-44

**Systolic blood pressure**

Correlates of resting and maximal exercise systolic blood pressure after repair of coarctation of the aorta: a multivariable analysis (Daniels et al). 1987;113:349-53

**Systolic clicks**

From irritable heart to mitral valve prolapse: systolic clicks, apical murmurs, and the auscultatory connection in the 19th century (Woolley). 1987;113:413-9 (Editorial)

**Systolic function**

Alterations in myocardial systolic and diastolic function in patients with active systemic lupus erythematosus (Murai et al). 1987;113:966-71

Effects of beta blockade on systolic and diastolic left ventricular function at rest and during exercise in patients with chronic stable angina pectoris (Iskandrian et al). 1987;113:791-8 (Curriculum cardiol.)

**T****T waves**

Transient giant inverted T waves during flecainide intoxication (Crijns et al). 1987;113:214-5 (Brief comm.)

**Tachycardia**

Antiarrhythmic effects of indecainide in a drug-resistant population with ventricular tachycardia at programmed electrical stimulation (Miura et al). 1987;113:65-9

Does exogenous magnesium suppress myocardial irritability and tachyarrhythmias in the nondigitalized patient? (Zwerling). 1987;113:1046-53 (Editorial)

Effects of chronic amiodarone therapy on ventricular tachycardia induced by programmed ventricular stimulation (DiCarlo et al). 1987;113:57-64

Electrophysiology and antiarrhythmic efficacy of intravenous pirlenol in patients with sustained ventricular tachyarrhythmias (Liem et al). 1987;113:1390-6

The interplay between endogenous catecholamines and induced ventricular tachycardia during electrophysiologic testing (Morady et al). 1987;113:227-33

Management of refractory sustained ventricular tachycardia with amiodarone: a reappraisal (Lavery and Saksena). 1987;113:49-56

Mechanisms responsible for countershock-induced ventricular tachycardia in the intact canine heart (Leja et al). 1987;113:296-301

Mechanisms of ventricular tachycardia termination and acceleration during transvenous cardioversion as determined by cardiac mapping in man (Saksena et al). 1987;113:1495-1506 (Prog. cardiol.)

Occurrence of exercise-induced and spontaneous wide complex tachycardia during therapy with flecainide for complex ventricular arrhythmias: a probable proarrhythmic effect (Anastasiou-Nana et al). 1987;113:1071-7

Thrombosed prosthetic valve after catheter ablation for ventricular tachycardia (Oda et al). 1987;113:1513-6 (Brief comm.)

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Takayasu's arteritis and myocardial dysfunction (Schamroth et al). 1987;113:1240-3 (Brief comm.)

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**Technetium-99m**

Experimental evaluation of technetium-99m red blood cell radionuclide ventriculography for detecting pericardial bleeding (Bateman et al). 1987;113:977-83

Early identification of amyloid heart disease by technetium-99m-pyrophosphate scintigraphy: a study with familial amyloid polyneuropathy (Hongo et al). 1987;113:654-62

**Telephone electrocardiography**

Asymptomatic telephone ECG transmissions as an outpatient surveillance system of ventricular arrhythmias: relationship to quantitative ambulatory ECG recordings (Pratt et al). 1987;113:1-7

**Temporal Fourier transform**

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**Teratoma**

Echocardiographic diagnosis of intrapericardial teratoma in infancy (Seguin et al). 1987;113:1239-40 (Brief comm.)

**Test**

Aerobic responses to low level exercise testing following an acute myocardial infarction (Hossack et al). 1987;113:694-9

Consecutive ST segment depression and elevation in the same electrocardiographic leads during an asymptomatic exercise treadmill test (Nevin et al). 1987;113:822-5 (Brief comm.)

The interplay between endogenous catecholamines and induced ventricular tachycardia during electrophysiologic testing (Morady et al). 1987;113:227-33

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Segmental wall motion abnormalities in dilated cardiomyopathy: hemodynamic characteristics and comparisons with thallium-201 myocardial scintigraphy (Yamaguchi et al). 1987;113:1123-8

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Anocod decreases the frequency of cyclic flow variations and causes thrombolysis following acute coronary thrombosis (Apprill et al). 1987;113:898-906

Thromboxane synthetase inhibition with CGS 13080 improves coronary blood flow after streptokinase-induced thrombolysis (Mickelson et al). 1987;113:1345-52

**Thrombosis**

Coronary vasospasm culminating in thrombosis and infarction following successful coronary angioplasty (Klevan et al). 1987;113:1220-2 (Brief comm.)

Echocardiographic detection of dynamic intracavitary echoes and right atrial thrombus (Vargas-Barron et al). 1987;113:829-31 (Brief comm.)

Nonbacterial thrombotic endocarditis: a review (Lopez et al). 1987;113:773-84 (Curriculum cardiol.)

Prophylactic anticoagulation for left ventricular thrombi after acute myocardial infarction: a prospective randomized trial (Arvan and Boscha). 1987;113:688-93

Thrombosed aorta resulting in spinal cord ischemia and paraplegia in ischemic cardiomyopathy (Kocher et al). 1987;113:1510-13 (Brief comm.)

Thrombosed prosthetic valve after catheter ablation for ventricular tachycardia (Oda et al). 1987;113:1513-6 (Brief comm.)

**Thromboxane synthetase**

Thromboxane synthetase inhibition with CGS 13080 improves coronary blood flow after streptokinase-induced thrombolysis (Mickelson et al). 1987;113:1345-52

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Hemolytic anemia and acute mitral regurgitation caused by a torn cusp of a porcine mitral prosthetic valve 7 years after its implantation (Schaefer et al). 1987;113:404-6 (Brief comm.)

**Torsade de pointes**

Acute ischemia as a contributing factor in torsade de pointes: treatment by coronary artery bypass grafting (Lindpaintner and Kienzle). 1987;113:1026-7 (Brief comm.)

Torsades de pointes associated with drugs and toxins: recognition and management (Stratmann and Kennedy). 1987;113:1470-81 (Curriculum cardiol.)

**Toxicity**

Adriamycin cardiotoxicity and proton nuclear magnetic resonance relaxation properties (Thompson et al). 1987;113:1444-8

Torsades de pointes associated with drugs and toxins: recognition and management (Stratmann and Kennedy). 1987;113:1470-81 (Curriculum cardiol.)

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# Transluminal angioplasty; see also Angioplasty

Disproportionate myocardial ischemia due to distant guidewire side branch positioning during percutaneous transluminal coronary angioplasty (Kern et al). 1987;113:1218-20 (Brief comm.)

Emergent internal mammary artery grafting following failed percutaneous transluminal coronary angioplasty: use of transluminal catheter reperfusion (Kereiakes et al). 1987; 113:1018-20 (Brief comm.)

Transluminal angioplasty of a stenotic Potts shunt and pulmonary arterial branch stenosis (Snyder et al). 1987;113:198-200 (Brief comm.)

# Transvenous cardioversion

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Long-term follow-up of coronary artery occlusion secondary to blunt chest trauma (Kahn and Buda). 1987;113:207-10 (Brief comm.)

Progression of complete heart block to isolated infra-Hisian block following penetrating cardiac trauma (O'Byrne et al). 1987;113:839-42 (Brief comm.)

# Treadmill test

Consecutive ST segment depression and elevation in the same electrocardiographic leads during an asymptomatic exercise treadmill test (Nevin et al). 1987;113:822-5 (Brief comm.)

# Tricuspid valve

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Severe tricuspid valve regurgitation caused by transvenous pacemaker: echocardiographic diagnosis (Muhler and von Bernuth). 1987;113:1029-31 (Brief comm.)

# Triglyceride

Coordination of very low-density lipoprotein triglyceride and apolipoprotein B metabolism in humans: effects of obesity and non-insulin-dependent diabetes mellitus (Howard et al). 1987;113:522-6

Lipoprotein abnormalities in hypertriglyceridemia: significance in atherosclerosis (Eisenberg). 1987;113:555-61

Mechanism of action of lipoprotein lipase and hepatic triglyceride lipase (Jackson et al). 1987;113:551-54

Plasma high-density lipoprotein concentration and subfraction distribution in relation to triglyceride metabolism (Nikkilä et al). 1987;113:543-8

# Troponin-I

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Clinical, histochemical, and ultrastructural correlation in septal endomyocardial biopsies from chronic chagasic patients: detection of early myocardial damage (Guerra et al). 1987; 113:716-24

# Tumor

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# Two-dimensional echocardiography

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Aortic valve vegetations: examples of overestimation and underestimation of disease by two-dimensional echocardiography (Kinney and Wright). 1987;113:1248-50 (Brief comm.)

Assessment of left ventricular diastolic filling by two-dimensional echocardiography (Zoghbi et al). 1987;113:1108-13

Chest trauma: evaluation by two-dimensional echocardiography (Reid et al). 1987;113:971-6

Classification of 2D-echo left atrial masses (Kinney). 1987; 113:1524-7 (Brief comm.)

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Preoperative localization of an intracardiac foreign body by two-dimensional echocardiography (Fyfe et al). 1987; 113:210-2 (Brief comm.)

Preoperative two-dimensional echocardiographic prediction of prosthetic aortic and mitral valve size in children (Caldwell et al). 1987;113:873-8

A simplified mitral valve method for two-dimensional echo Doppler blood flow calculation: validation in an open-chest canine model and initial clinical studies (Meijboom et al). 1987;113:335-40

Two-dimensional echocardiographic features of pulmonary artery vegetation (Chia et al). 1987;113:833-4 (Brief comm.)

Two-dimensional echocardiographic mitral valve prolapse: evidence for a relationship of echocardiographic morphology to clinical findings and to mitral annular size (Cohen). 1987; 113:859-68

Two-dimensional and pulsed Doppler echocardiography in anomalous origin of the left coronary artery from the pulmonary artery: pre and postoperative studies (Diamant et al). 1987;113:195-8 (Brief comm.)

# V

# Valve; see also Mitral valve

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Cardiac valvular involvement in Tangier disease (Pressly et al). 1987;113:200-2 (Brief comm.)

Catheter rupture during balloon valvuloplasty (Weinhaus and Lababidi). 1987;113:1035 (Brief comm.)

Dissection of the anterior mitral leaflet causing mitral regurgitation in aortic valve endocarditis (Pennestri et al). 1987;113:212-4 (Brief comm.)

Doppler echocardiographic observations of pulmonary and transvalvular velocity changes after birth and during the early neonatal period (Wilson et al). 1987;113:750-9

Effects of aortic valve replacement on blood pressure, neurohumoral regulation, and arrhythmias in patients with aortic stenosis (Schlapfer et al). 1987;113:1041-2 (Brief comm.)

False division of the left atrium by a redundant, mobile flap valve of the foramen ovale: echocardiographic and anatomic assessment in a neonate with critical pulmonary stenosis (Casta et al). 1987;113:1032-6 (Brief comm.)

Preoperative two-dimensional echocardiographic prediction of prosthetic aortic and mitral valve size in children (Caldwell et al). 1987;113:873-8

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Thrombosed prosthetic valve after catheter ablation for ventricular tachycardia (Oda et al). 1987;113:1513-6 (Brief comm.)

# Valvuloplasty

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# Vascular resistance

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# Vasodilator

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Hemodynamic effects of BTS 49465, a new long-acting systemic vasodilator drug, in patients with severe congestive heart failure (Kessler and Packer). 1987;113:137-43

# Vasospasm

Coronary vasospasm as a cause of stunned myocardium (Mathias et al). 1987;113:383-5 (Brief comm.)

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**Vegetation**

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**Ventricle**

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Angiographically demonstrated isolated acute right ventricular infarction presenting as ST elevation in leads V<sub>1</sub> to V<sub>3</sub> (de Marchena et al). 1987;113:391-3 (Brief comm.)

Assessment of left ventricular diastolic filling by two-dimensional echocardiography (Zoghbi et al). 1987;113:1108-13

Asymptomatic telephone ECG transmissions as an outpatient surveillance system of ventricular arrhythmias: relationship to quantitative ambulatory ECG recordings (Pratt et al). 1987;113:1-7

Comparative survival following permanent ventricular and dual-chamber pacing for patients with chronic symptomatic sinus node dysfunction with and without congestive heart failure (Alpert et al). 1987;113:958-65

Determination of left ventricular volumes and ejection fraction by nuclear magnetic resonance imaging (Dilworth et al). 1987;113:24-32

Differential effects of reperfusion on incidence of ventricular arrhythmias and recovery of ventricular function at 4 days following coronary occlusion (Arnold et al). 1987;113:1055-65

ECG-gated magnetic resonance imaging in right ventricular dysplasia (Casolo et al). 1987;113:1245-8 (Brief comm.)

Echocardiographic identification of aortic atresia with ventricular septal defect, normal left ventricle and mitral valve (Marino et al). 1987;113:1521-4 (Brief comm.)

Effects of beta blockade on systolic and diastolic left ventricular function at rest and during exercise in patients with chronic stable angina pectoris (Iskandrian et al). 1987;113:791-8 (Curriculum cardiol.)

The effect of chronic pulmonary hypertension on left ventricular size, function, and interventricular septal motion (Jessup et al). 1987;113:1114-22

Effects of intravenous N-acetylprocainamide on hemodynamics and left ventricular function in man (Josephson et al). 1987;113:952-7

Effects of propafenone on sinus nodal and ventricular automaticity: in vitro and in vivo correlation (Kato et al). 1987;113:941-52

Evaluation of pseudoaneurysm of the left ventricle by echocardiography and pulsed Doppler (Smeal et al). 1987;113:1508-10 (Brief comm.)

Evaluation of the right ventricle by magnetic resonance imaging (Markiewicz et al). 1987;113:8-15

Experimental evaluation of technetium-99m red blood cell radionuclide ventriculography for detecting pericardial bleeding (Bateman et al). 1987;113:977-93

Familial form of arrhythmogenic right ventricular dysplasia (Laurent et al). 1987;113:827-9 (Brief comm.)

Free ventricular wall rupture in acute myocardial infarction with normal coronary arteries (Trigano et al). 1987;113:1027-9 (Brief comm.)

Improved left ventricular performance during exercise with verapamil or nifedipine in patients with chronic stable angina (Gill et al). 1987;113:700-7

The influence of age and gender on left ventricular response to supine exercise in asymptomatic normal subjects (Adams et al). 1987;113:732-42

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**Ventricle—Cont'd**

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Peak aortic blood acceleration reflects the extent of left ventricular ischemic mass at risk (Sabbah et al). 1987;113:885-90

Predictors of postoperative ventricular dysfunction in infants who have undergone primary repair of a ventricular septal defect (Cyran et al). 1987;113:1144-8

Prophylactic anticoagulation for left ventricular thrombi after acute myocardial infarction: a prospective randomized trial (Arvan and Boscha). 1987;113:688-93

Quantitative regional curvature analysis: an application of shape determination for the assessment of segmental left ventricular function in man (Mancini et al). 1987;113:326-34

Quantitative validation of cineangiographic biplane axial oblique right ventricular volume measurement (Pietras et al). 1987;113:321-5

Regional distribution of blood flow at the onset of right ventricular diastolic collapse during cardiac tamponade (Bernath et al). 1987;113:1129-32

Response of the left ventricle in idiopathic dilated cardiomyopathy to postextrasystolic potentiation (Yamazoe). 1987;113:1449-56

Right ventricular myocardial infarction with anterior wall left ventricular infarction: an autopsy study (Cabin et al). 1987;113:16-23

Right ventricular obstruction from cervical carcinoma: a rare, single metastatic site (Schaefer et al). 1987;113:397-9

Rupture of a coronary artery and hemorrhage into the ventricular cavity during coronary angioplasty (Cherry and Vandormael). 1987;113:386-8 (Brief comm.)

Ventricular arrhythmias in dilated cardiomyopathy: efficacy of amiodarone (Neri et al). 1987;113:707-15

**Ventricular ejection**

Left ventricular ejection dynamics in hypertrophic cardiomyopathy and aortic stenosis: comparison with the use of Doppler echocardiography (Cogswell et al). 1987;113:110-6

Reperfusion with streptokinase of an occluded right coronary artery: effects on early and late right and left ventricular ejection fraction (Braat et al). 1987;113:257-60

**Ventricular fibrillation**

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Improved left ventricular performance during exercise with verapamil or nifedipine in patients with chronic stable angina (Gill et al). 1987;113:700-7

**Volume homeostasis**

Cardiac size and motion during water immersion: implications for volume homeostasis (Kinney et al). 1987;113:345-9

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Evolution of regional left ventricular wall motion abnormalities in acute Q and non-Q wave myocardial infarction (Mahias-Narvarte et al). 1987;113:1369-75

Ischemic myocardial dysfunction assessed by temporal Fourier transform of regional myocardial wall thickening (Heusch et al). 1987;113:116-24

Left ventricular wall motion at rest in patients with organic coronary artery disease vs coronary spasm (Matsuda et al). 1987;113:684-7

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